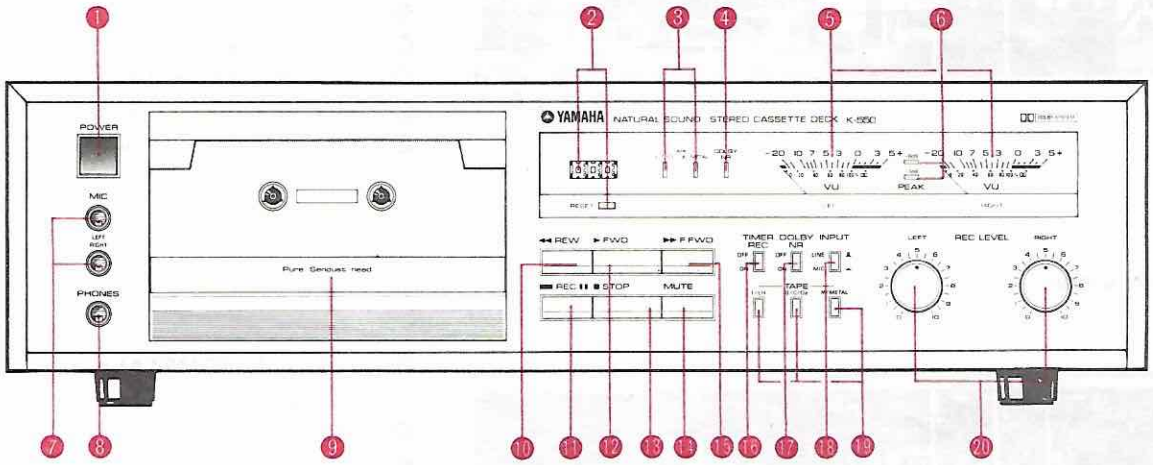
K-550/560

SERVICE MANUAL

Photographs and illustrations used in this manual are of the K-550 model.

116006

■ FRONT PANEL



1. Power Switch (POWER)
2. Tape Counter/Reset Button
3. Tape Indicators (TAPE)
4. Dolby NR Indicator (DOLBY NR)
5. VU Meters
6. Peak Indicators (PEAK)
7. Microphone Jacks (MIC)
8. Headphones Jack (PHONES)
9. Cassette Compartment
10. Rewind Button (◀◀ REW)
11. Recording Standby Button (REC ❚❚)
12. Play Button (▶ FWD)
13. Stop Button (■ STOP)
14. Recording Muting Button (MUTE)
15. Fastforward Button (▶▶ F.FWD)
16. Timer Recording/Playback Button (TIMER REC)
17. Dolby NR Switch (DOLBY NR)
18. Input Select Button (INPUT)
19. Tape Selectors (TAPE)
20. Recording Level Controls (REC LEVEL)

■ CONTENTS

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004423

YAMAHA

'81.1. 2.5K. K.T. Printed in Japan

SPECIFICATIONS

Track Configuration .... 4-track 2 channel Stereo Cassette Deck
6-key feather-touch full logic control

Mechanical Section

Tape Speed ..... 4.8 cm/sec
Wow and Flutter ..... 0.04 % (WRMS)
0.15 % (DIN 45500)
Rapid Transport
(F.FWD/REW) ..... Within 75 sec (for C-60 cassette)
Motor ..... 1 DC Servo motor (Capstan)
1 Flat Torque DC motor (Reel)
Mechanism ..... 2-motor, 2-plunger mechanism

Head Section

Recording/Playback .... Pure Sendust
Erase ..... Double-gap ferrite

Amplifier Section

REC/PB Frequency Response
LH tape, –20VU .... 40 ~ 16,000Hz ± 3dB
CrO_2 tape, –20VU ... 40 ~ 18,000Hz ± 3dB
Metal tape, –20VU ... 40 ~ 20,000Hz ± 3dB
Metal tape, 0VU ..... 40 ~ 13,000Hz ± 3dB
Input Sensitivity/
Impedance ..... MIC : 0.3 mV/5kΩ
LINE : 60 mV/80kΩ
Output Level/Impedance . LINE : 340 mV/1.7kΩ
PHONES : 0.6 mW/8Ω
3mW/150Ω

Signal-to-Noise Ratio
(EIAJ, CrO_2 tape) ..... Better than 60dB
Dolby NR Effect ..... More than 9dB
Overall Distortion ..... Less than 1.0% (at 315Hz, for METAL tape)
Channel Separation ..... Better than 40dB at 1kHz
Crosstalk ..... Better than 65dB at 125Hz
Erase Rate ..... Better than 65dB at 400Hz

General

Power Supplies
K-550 ..... 120V, 60Hz
K-560
General 110/120/220/240V, 50/60Hz
North European 220V, 50Hz
British and Australian . 240V, 50Hz
Power Consumption .... 23 W
Dimensions (W x H x D)
K-550 ..... 451 x 129 x 294 mm (17-3/4 x 5 x 11-1/2")
K-560 ..... 435 x 112 x 294 mm (17-1/8 x 4-13/32 x 11-1/2")
Weight
K-550 ..... 5.7 kg (12.5 lbs)
K-560 ..... 5.5 kg (12.1 lbs)

Specifications subject to change without notice.

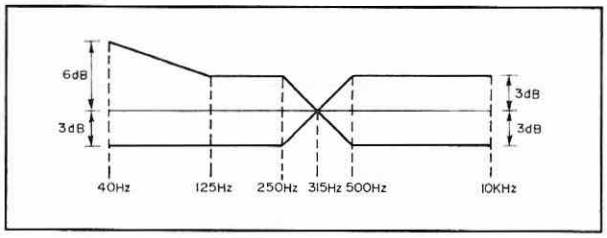
TIMER REC : OFF DOLBY NR : OFF INPUT : LINE
TAPE : LH

Adjustment	Test Tape	Measuring Equipment	Mode	Measuring Conditions	Measuring Positions	Adjustment Positions	Adjustment Values
Tape Speed	MTT-111	Frequency Counter	P.B.		LINE OUT	Semi-fixed resistor in the rear of the motor	3000 $^{+5}_{-15}$Hz
Wow & Flutter	MTT-111	Wow & Flutter Meter	P.B.		LINE OUT		0.04% (WRMS) 0.15% (DIN)
Head Azimuth	MTT-114	AC V.M.	P.B.		LINE OUT	Adjustment screw	Maximum levels of both channel
Playback Level	MTT-212C	AC V.M.	P.B.		LINE OUT	VR103(L) VR104(R)	−7 ± 1dBm 346mV
Playback Frequency Response	MTT-216	AC V.M.	P.B.		LINE OUT		Specifications on next page must be satisfied.
VU Meter		Oscillator AC V.M.	Rec Standby	1kHz, −22dBm 62mV (LINE IN)	Meter reading when −7dBm, 346mV in LINE OUT	VR109(L) VR110(R)	0 ± 1.5VU
Peak L.E.D. Light-up Level		Oscillator AC V.M.	Rec Standby	1kHz, −20dBm 77mV (LINE IN)	L.E.D. reading when −4dBm, 489mV in LINE OUT	VR111(L) VR112(R)	+3dB LED Light up
Record Level	AC512 (CrO_2)	Oscillator AC V.M.	REC → P.B TAPE: CrO_2	315Hz, −7dBm 346mV (LINE OUT)	LINE OUT	VR105(L) VR106(R)	−7 ± 1.5dBm
REC/P.B. Frequency Response	AC512 (CrO_2)	Oscillator AC V.M.	REC → P.B TAPE: CrO_2	REC. Level 315Hz, −27dBm 35mV (LINE OUT)	LINE OUT	VR107(L) VR108(R)	Specifications on next page must be satisfied.
	UD-C60 (LH)		REC → P.B TAPE: LH			*	
	AC-711 (METAL)		REC → P.B TAPE: METAL			*	

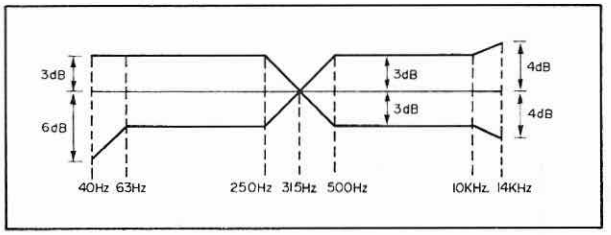
* If the results in checks fail to satisfy the adjustment value, vary the values of R251 and R252 and then repeat the check again.

● FREQUENCY RESPONSE CHARACTERISTICS

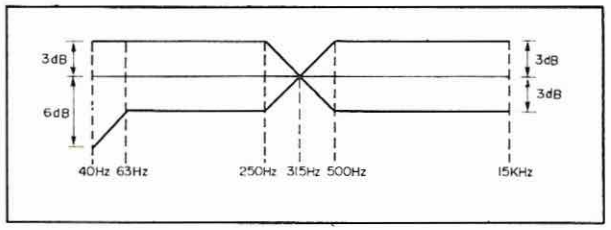
PLAYBACK



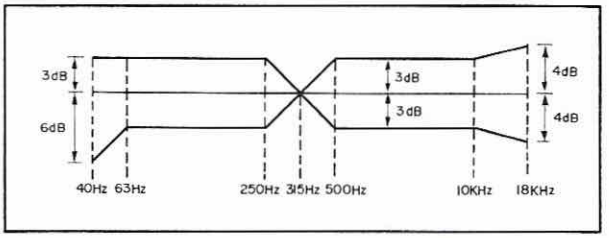
REC.-P.B. (LH)



REC.-P.B (CrO_2)

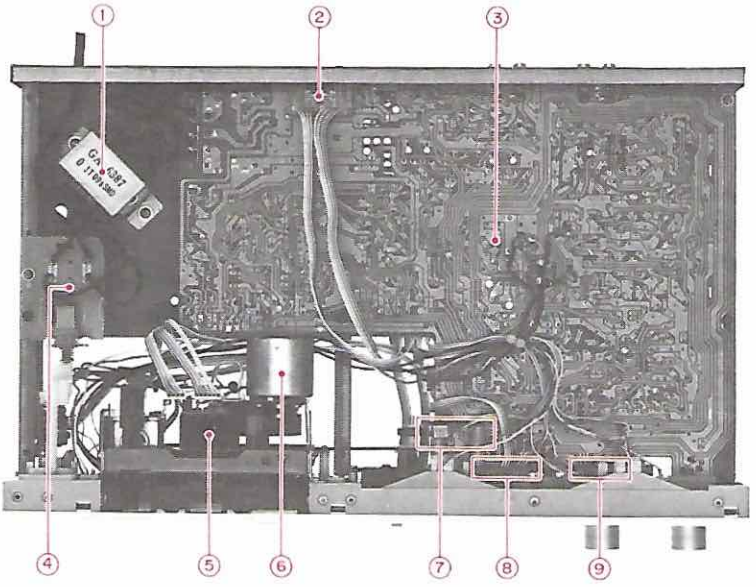


REC.-P.B. (Metal)



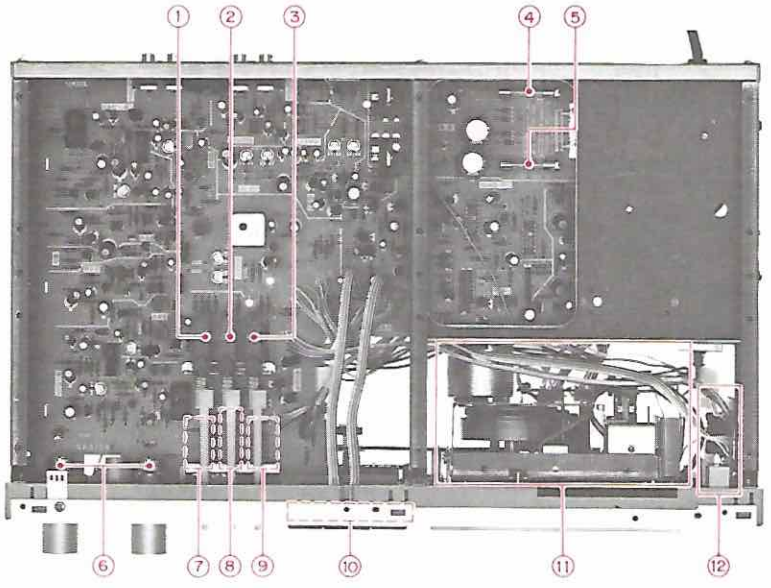
■ INTERNAL VIEW

Top View



❶ Power Transformer
K-550
GA63870 : U.S.A. Model
GA63880 : Canadian Model
K-560
GA63890 : N.European Model
GA63900 : Australian and British Models
GA63910 : General Model
❷ Main C. Board-4 (Remote C. Terminal)
❸ Main C. Board-1 (REC/PB)
❹ Main C. Board-8 (Power Switch)
❺ Motor (Reel)
❻ Motor (Capstan)
❼ Main C. Board-5 (Hall IC)
❽ Main C. Board-7 (Display LED)
❾ Main C. Board-6 (Peak LED)

Bottom View



❶ SW102-3 (TAPE METAL)
❷ SW102-2 (TAPE CrO_2)
❸ SW102-1 (TAPE LH)
❹ F101 (Fuse)
❺ F102 (Fuse)
❻ VR101, VR102 (REC LEVEL)
❼ SW101-1 (iNPUT)
❽ SW101-2 (DOLBY NR)
❾ SW101-3 (TIMER REC)
❿ Main C. Board-3 (Operation Switch)
⓫ TM-4A Mechanism Unit
⓬ Main C. Board-2 (Mic Jack)

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■ DISASSEMBLY PROCEDURE

1. Removal of Top and Bottom Covers

1) To remove the top cover, loosen screws ① to ④ shown in Photo 1.
2) To remove the bottom cover, loosen screws ⑤ to ⑬ shown in Photo 1.
3) In this condition, the fuse may be replaced, the Main C. Board checked, and circuit components replaced if necessary.

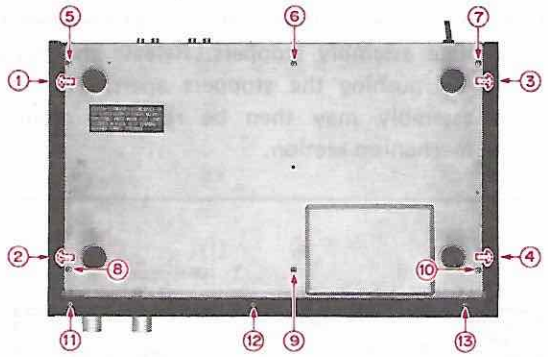


Photo 1

2. How to remove Top Lid and Head Cover

1) Remove the top cover. (Refer to Procedure 1)
2) Turn stoppers (A) and (B) in Photo 2 in an arrow direction with a minus screw driver. The top lid can be removed.
3) Remove the stopper of head cover using a hexagon wrench, wire, etc., as shown in Photo 3. The head cover can be removed.
4) After the head cover is removed, azimuth adjustment can be made.

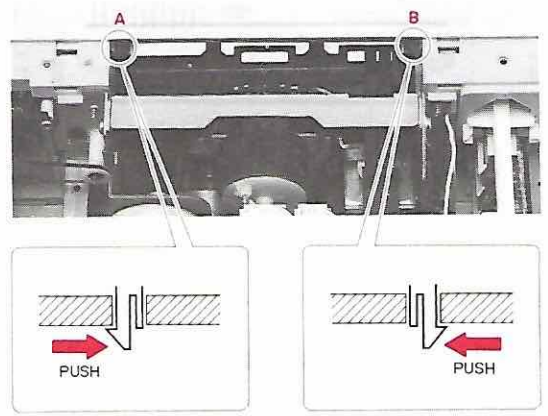


Photo 2

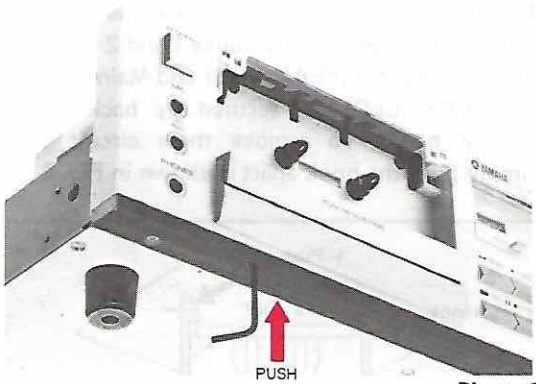


Photo 3

3. Removal of Front Panel

1) Remove the top and bottom covers as described in procedure 1 above.
2) Loosen screw ① shown in Photo 4, and pull off the REC LEVEL control knobs.

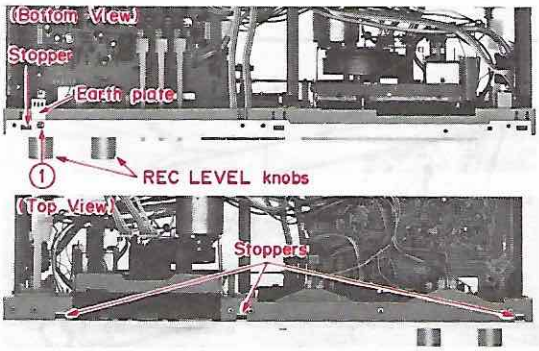


Photo 4

3) The front panel is secured by back plate assembly hooks Fig. 1 and 2. To remove the front panel, disengage these stoppers with a minus screwdriver (see Fig. 1).
   At this time, also remove the earth plate attached to the back plate assembly (see Photo 2).
4) In this condition, the head azimuth adjustment may be performed.

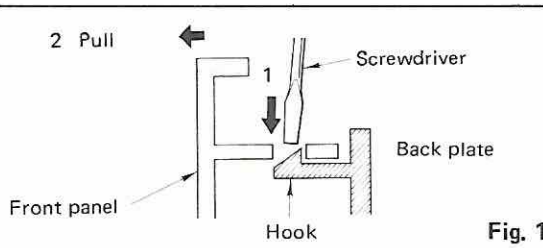


Fig. 1

4. Removal of Back Plate Assembly

1) Remove the top and bottom covers and the front panel as described in procedures 1 and 2 above.
2) Main C. Board-6 (PEAK LED) and Main C. Board-7 (DISPLAY LED) are secured by back plate assembly hook. To remove these circuit boards, simply push the hook apart as shown in Fig. 2.

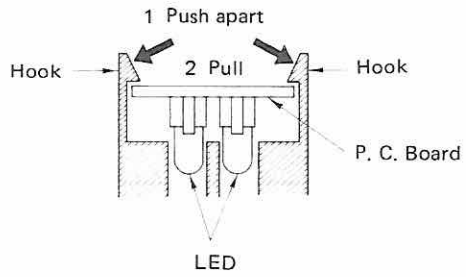


Fig. 2

3) Pull out the meter lens as shown in Fig. 3, and disconnect the two meter lamps plus connector #3.

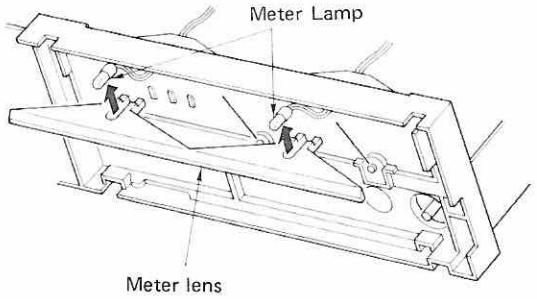


Fig. 3

4) Use a soldering iron to disconnect the VU meter wiring, and then pull the meter out forwards.
5) When screws (1) and (2) shown in Photo 5 are unscrewed and the meter plate removed, hole (A) will be revealed. Insert a Philips (plus) head screwdriver into the hole to dislodge the plastic rivet securing Main C. Board-5 (HALL IC). (See Fig. 4)

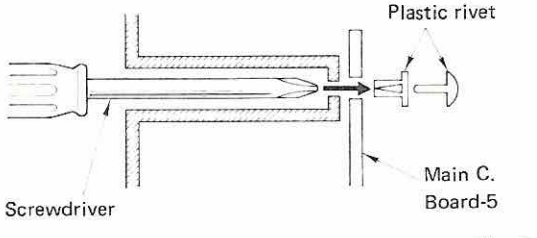


Fig. 4

6) Disconnect the three shielded wires from the REC/PB and erase head with a soldering iron.
7) Main C. Board-3 (OPERATION SW) is secured by stoppers on the front of the back plate assembly. Release the circuit board by pushing the stoppers apart.
8) Loosen nuts (A) to (C) shown in Photo 5, and remove the power switch button.
9) Disconnect the Relay C. Board connectors #1 and #2, and Loosen screws (3) to (8) shown in Photo 5. Main C. Board-2 (MIC JACK) is also secured by back plate assembly stoppers. Release the circuit board by pushing the stoppers apart. The back plate assembly may then be removed attached to the mechanism section.

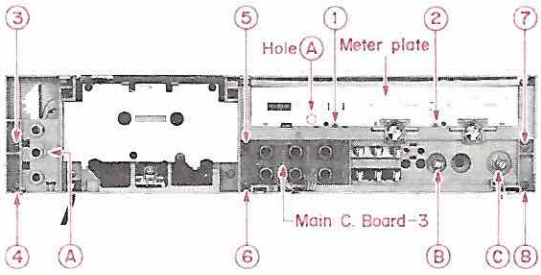


Photo 5

5. Removal of Main C. Boards

1) Remove the back plate assembly as described in procedure 3.
2) Remove the plastic rivets (A) to (E) shown in Photo 6.

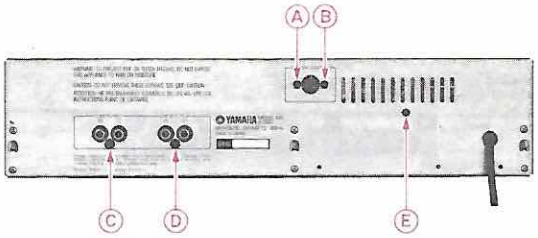


Photo 6

3) Remove screw (1) and plastic rivets (A) and (B) shown in Photo 7.
4) Then remove Main C. Board-1 by holding the tip of the P.C.B spacer shown in Photo 7 with a pair of radio pliers and pulling it out carefully. (See Fig. 5)
5) When the three wires from the power transformer are disconnected, Main C. Board-1 may be removed

together with Main C. Board-2 ~ 7.

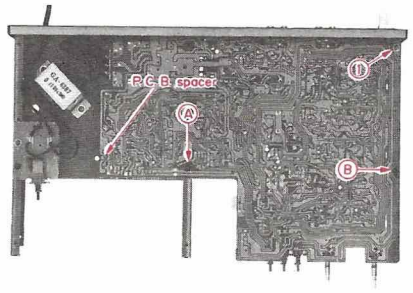
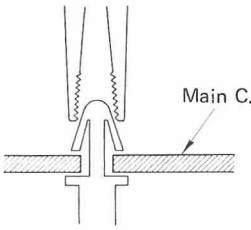


Photo 7



Grasp with a pair of radio pliers and pull out.

Fig. 5

6. Removal of Mechanism Section

1) Remove the top cover as descrived in procedure 1.
2) Remove the top lid and head cover. (Refer to Procedure 2)
3) Disconnect the belt to the tape counter, and loosen screws ① to ④ shown in Photo 8. The mechanism section may be taken out.

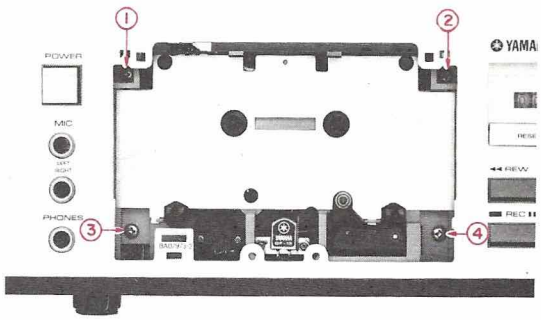
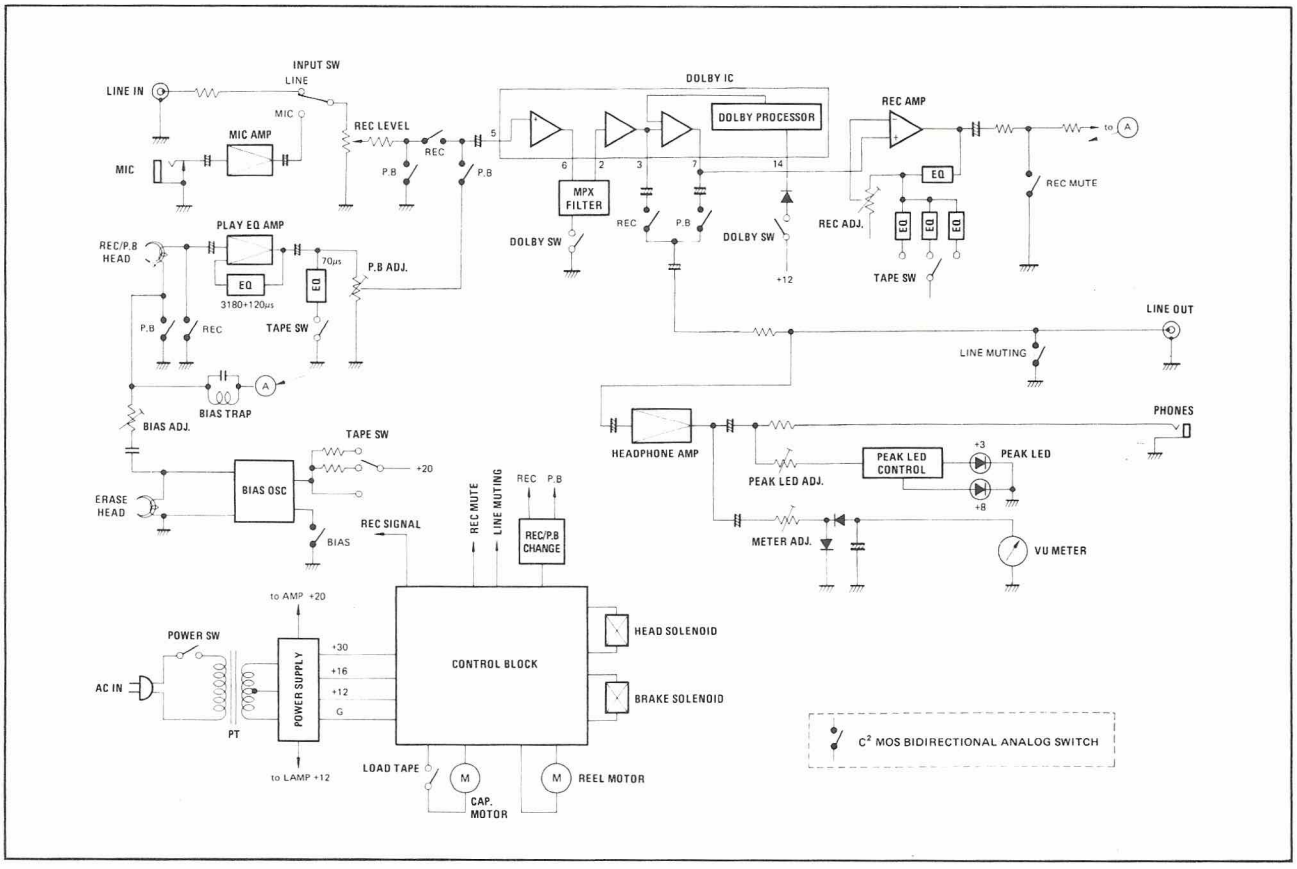


Photo 8

■ BLOCK DIAGRAM



SPECIFICATIONS

Track Configuration	4-track 2 channel Stereo Cassette Deck 6-key feather-touch full logic control

Mechanical Section

Tape Speed	4.8 cm/sec
Wow and Flutter	0.04 % (WRMS) 0.15 % (DIN 45500)
Rapid Transport (F.FWD/REW)	Within 75 sec (for C-60 cassette)
Motor	1 DC Servo motor (Capstan) 1 Flat Torque DC motor (Reel)
Mechanism	2-motor, 2-plunger mechanism

Head Section

Recording/Playback	Pure Sendust
Erase	Double-gap ferrite

Amplifier Section

REC/PB Frequency Response	
LH tape, –20VU	40 ~ 16,000Hz ± 3dB
CrO_2 tape, –20VU	40 ~ 18,000Hz ± 3dB
Metal tape, –20VU	40 ~ 20,000Hz ± 3dB
Metal tape, 0VU	40 ~ 13,000Hz ± 3dB
Input Sensitivity/ Impedance	MIC : 0.3 mV/5kΩ LINE : 60 mV/80kΩ
Output Level/Impedance	LINE : 340 mV/1.7kΩ PHONES : 0.6 mW/8Ω 3mW/150Ω
Signal-to-Noise Ratio ($EIAJ, CrO_2$ tape)	Better than 60dB
Dolby NR Effect	More than 9dB
Overall Distortion	Less than 1.0% (at 315Hz, for METAL tape)
Channel Separation	Better than 40dB at 1kHz
Crosstalk	Better than 65dB at 125Hz
Erase Rate	Better than 65dB at 400Hz

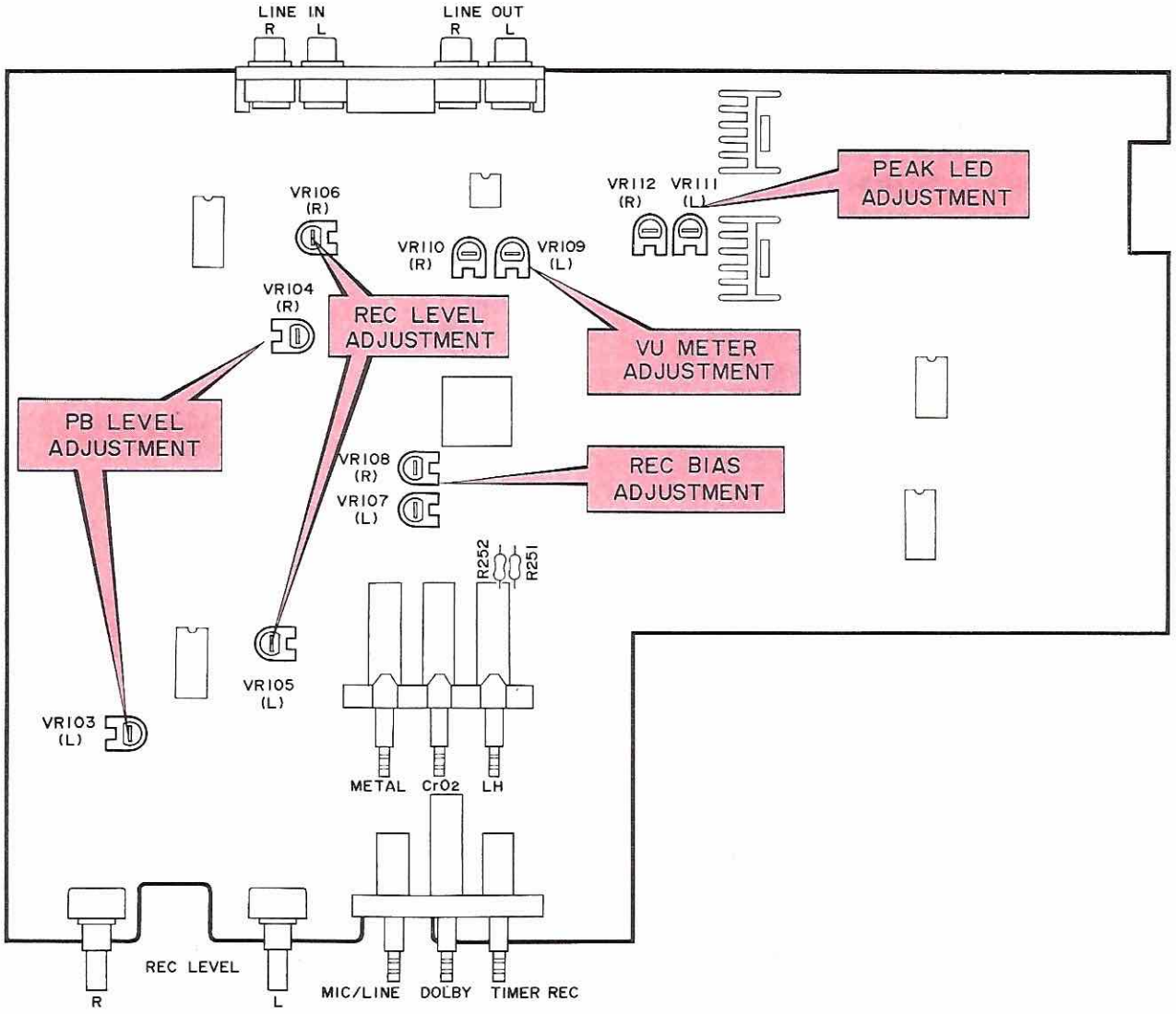
General

Power Supplies	
K-550	120V, 60Hz
K-560	
General	110/120/220/240V, 50/60Hz
North European	220V, 50Hz
British and Australian	240V, 50Hz
Power Consumption	23 W
Dimensions (W x H x D)	
K-550	451 x 129 x 294 mm (17-3/4 x 5 x 11-1/2")
K-560	435 x 112 x 294 mm (17-1/8 x 4-13/32 x 11-1/2")
Weight	
K-550	5.7 kg (12.5 lbs)
K-560	5.5 kg (12.1 lbs)

Specifications subject to change without notice.

■ OVERALL ADJUSTMENT

Adjusting Points



Prior to Adjustments

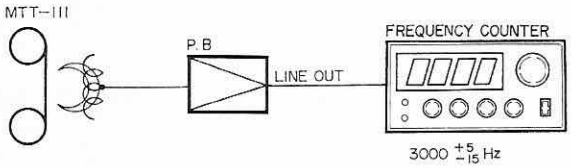
1. Turn the DOLBY NR switch off.
2. Since head magnetization and dust accumulations etc. are likely to introduce error in the various characteristics, it is very important that the heads are properly demagnatized and cleaned before commencing any adjustments, particularly frequency response and head azimuth adjustments.
3. Test Tapes To Be Used

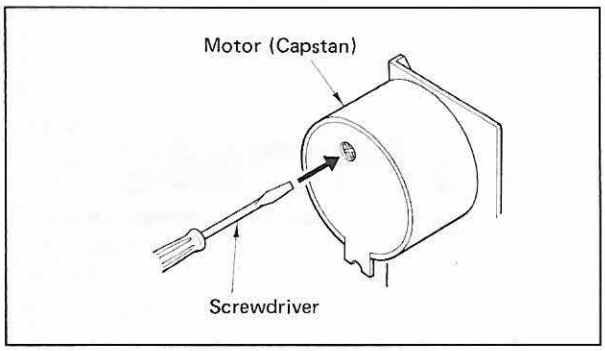
TEAC	MTT-111 (3kHz)
TEAC	MTT-212C (160nWb/m) or MTT-212 (250nWb/m)
TEAC	MTT-114 (10kHz)
TEAC	MTT-216 (3180 + 120μsec) or MTT-316 (3180 + 70μsec)
TDK	AC-512 (CrO_2 tape)
MAXELL	UD C-60 (LH tape)
TDK	AC-711 (METAL tape)

PLAYBACK ADJUSTMENTS

1. Tape Speed Adjustment

1) Connect a frequency counter to either the left or right LINE OUT terminals.
2) Play the TEAC MTT-111 (3kHz) test tape, and adjust the VR located inside the motor to obtain a frequency counter reading of 3000Hz $\pm^{5}_{15}$ Hz.

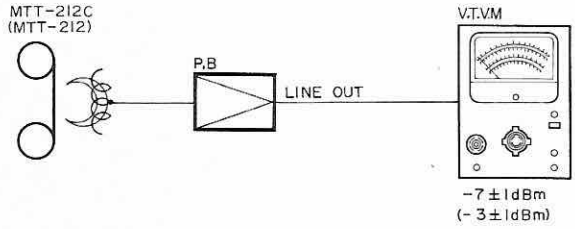




2. Playback Level Adjustment

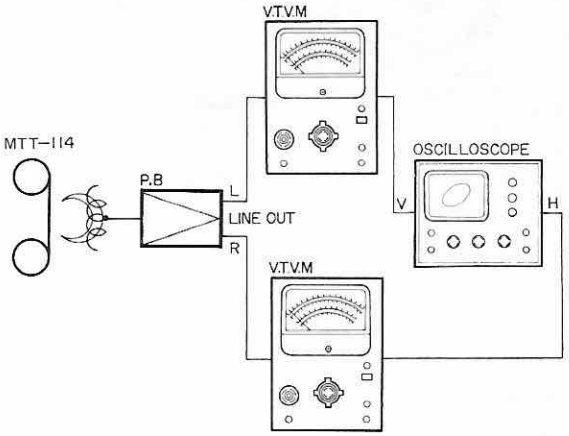
1) Adjust playback level for both left and right channels according to the following procedure.
2) Connect a VTVM to LINE OUT.
3) Play the TEAC MTT-212C (160nWb/m) test tape, and adjust VR103 (left channel) and VR104 (right channel) to obtain a VTVM reading of –7 ± 1dBm.

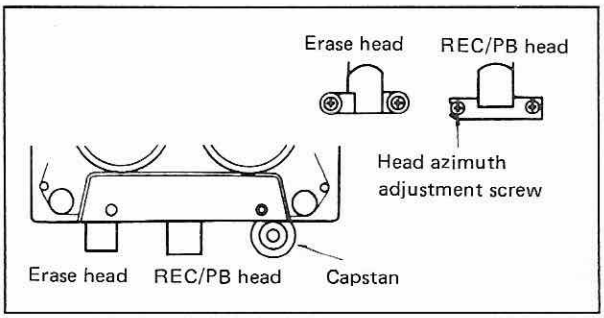
* If the MTT-212 (250nWb/m) test tape is used instead, a VTVM reading of –3 ± 1dBm should be obtained.



3. Head Azimuth Adjustment

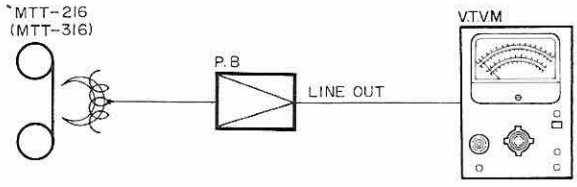
1) Remove the front panel as described in disassembly procedure 2.
2) Connect a pair of VTVMs and oscilloscope to the left and right LINE OUT terminals.
3) Play the TEAC MTT-114 (10kHz) test tape, and adjust the REC/PB head azimuth adjustment screw to obtain same maximum output level in both left and right channels (and with both outputs in phase with each other).
4) After completing the adjustment, apply screw lock paint.

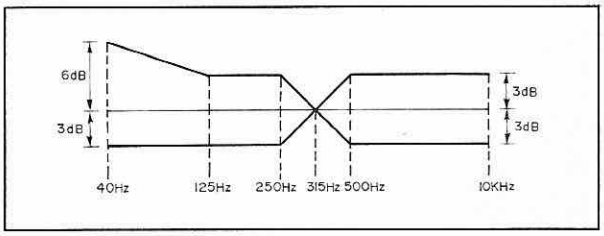




4. Confirmation of PB Frequency Response

1) Check both left and right channels together by the following procedure.
2) Connect a VTVM to LINE OUT.
3) Play the TEAC MTT-216 (3180 + 120μsec: LH) or MTT-316 (3180 + 70μsec: CrO_2) test tape, and check that the 10kHz level is within ±3dB of the reference 315Hz level.

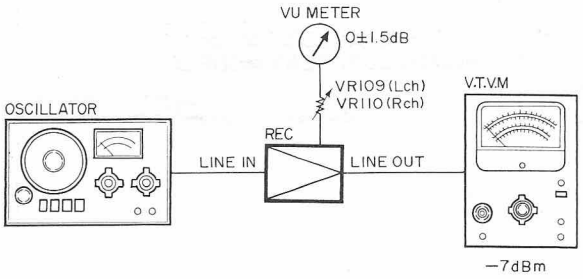




RECORDING ADJUSTMENTS

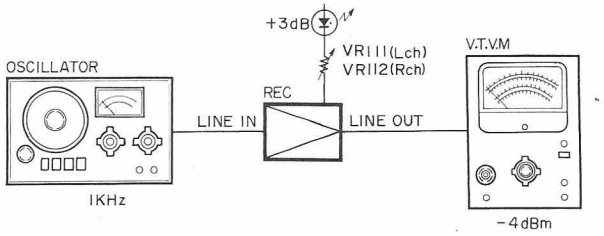
1. VU Meter Adjustment

1) Adjust both left and right channels together according to the following procedure.
2) Connect the low frequency oscillator to LINE IN, and a VTVM to LINE OUT.
3) Set the INPUT switch to LINE.
4) Apply a signal to LINE IN so as obtain an output signal of −7dBm at 1kHz with the deck in recording mode.
5) Adjust VR109 (left channel) and VR110 (right channel) to obtain a VU meter reading of 0 ± 1.5dB.



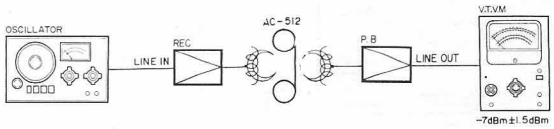
2. Peak LED Light-Up Level Adjustment

1) Adjust both left and right channels independently according to the following procedure.
2) Connect the low frequency oscillator and VTVM in the same way as for VU meter adjustment.
3) With the tape deck in recording mode, apply an input signal to LINE IN in order to obtain an output signal of −4dBm at 1kHz at LINE OUT.
4) Adjust VR111 (left channel) so that the +3dB LED lights up.
5) Then adjust VR112 for the right channel in the same way.



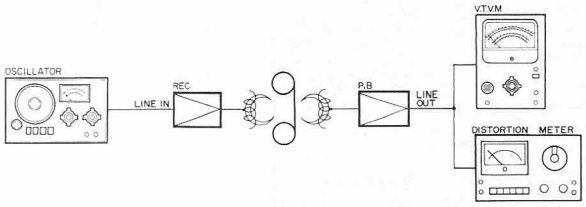
3. Recording Level Adjustment

1) Adjust both left and right channels according to the following procedure.
2) Connect the low frequency oscillator and VTVM in the same way as for VU meter adjustment.
3) With the tape deck in recording mode, apply an input signal to LINE IN so as to obtain an output signal of −7dBm at 315Hz (1kHz, 333Hz) at LINE OUT.
4) Record this signal in the TDK AC-512 CrO2 tape.
5) Play the tape back, and adjust VR105 (left channel) and VR106 (right channel) to obtain an output level of −7dBm ± 1.5dBm.



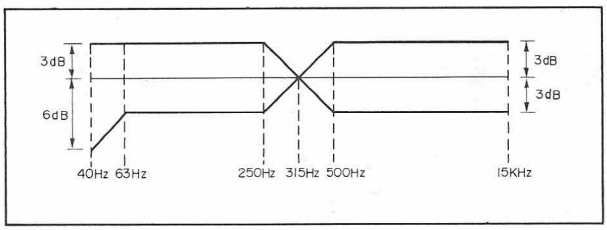
4. Recording Bias Adjustment and Check

* Set the TAPE SELECT switch to the relevant position, and turn the DOLBY NR switch off.



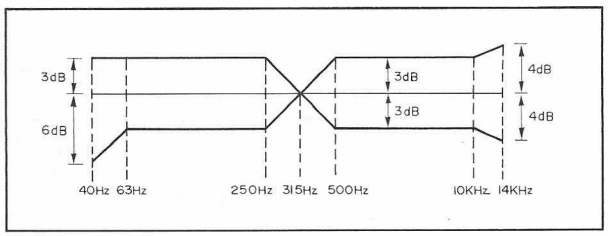
● CrO2 Position

1) Connect the low frequency oscillator to LINE IN, and a VTVM plus distortion meter to LINE OUT.
2) Apply an input signal to LINE IN in order to obtain an output signal of −27dBm (−20VU) at LINE OUT.
3) With the TDK AC-512 CrO2 tape loaded in the deck, adjust VR107 (left channel) and VR108 (right channel) so that the 15kHz REC and PB level lies within ±3dB of the 1kHz REC and PB level.
4) At this time, the distortion at 1kHz (315Hz, 333Hz) 0VU must not exceed 2.5%.



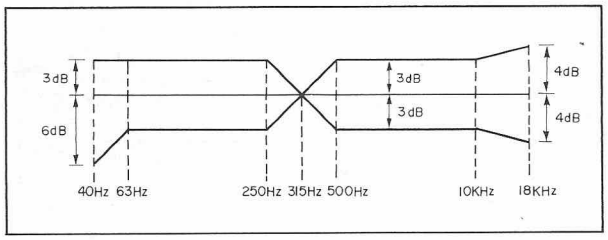
● LH Position

5) Load the MAXELL UD C-60 LH tape in the deck, and check that the 14kHz REC and PB level lies within ±4dB of the 1kHz (315Hz, 333Hz) REC and PB level.



- **METAL Position**

6) Then load the TDK AC-711 METAL tape, and check that the 17kHz REC and PB level lies within ±4dB of the 1kHz (315Hz, 333Hz) REC and PB level.



* If the results in steps 5) and 6) fail to satisfy the specified ratings, vary the values of R251 and R252, and then repeat the steps again.

■MECHANICAL ADJUSTMENTS

1. Take-up Torque Adjustment

1) Couple the CT-100M Torque Meter (part no. TX-91111) to the deck, and read the torque with the deck in play mode.
   Specification rating . . . . . $50\ ^{+10}_{-8}$ g.cm.
2) If the measured torque does not lie inside this range, take the reel motor out, and adjust the Adjustment plate of the clutch assembly (see Fig. 6) according to the following procedure.
   When the measured value is too low:
   Turn the adjustment plate clockwise (in the direction which tightens the spring).
   When the measured value is too high:
   Turn the adjustment plate counter clockwise (in the direction which loosens the spring).

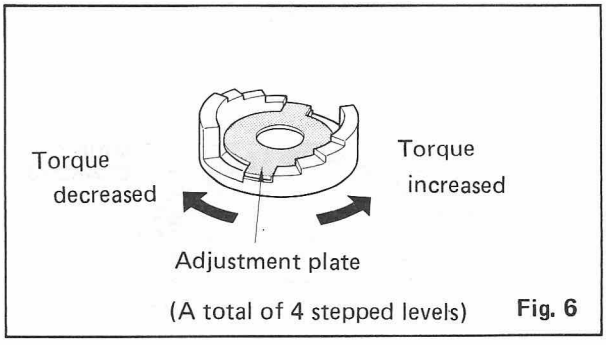


Fig. 6

2. Idler Friction Adjustment

1) The idler assembly is involved in play, FF and REW mode switching operations. If the friction torque with each reel base is too low, proper play, FF and REW mode switching will not be possible.
2) If the torque is found to be too low, rotate the plate spring in the idler assembly clockwise (as shown in Fig. 7). Note that this spring was set in the center position when the deck left the factory.

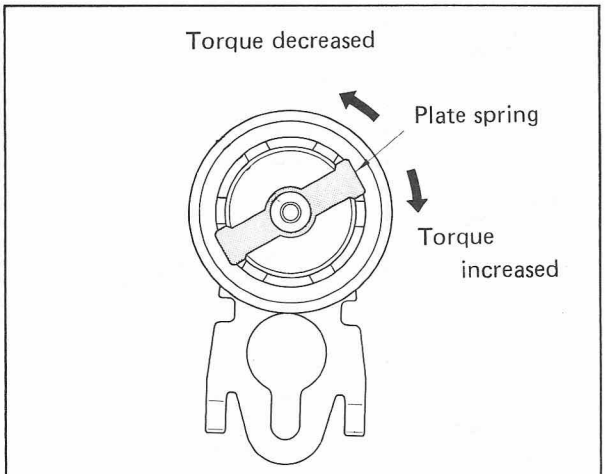


Fig. 7

3. Erase Head Height Adjustment

1) Insert the MC-12C Mirror Tape (part no. TX11100) and run the tape in play mode. Adjust the height by means of the adjustment screw on the left hand side, making sure that tape travel is not disrupted by the erase head tape guide. (The tape should not rise up onto the tape guide resulting in curling etc. A small degree of contact between the tape guide and the edge of the tape is satisfactory).

* After completing the adjustment, secure the adjustment screw with "screw lock". See Fig. 8 below.

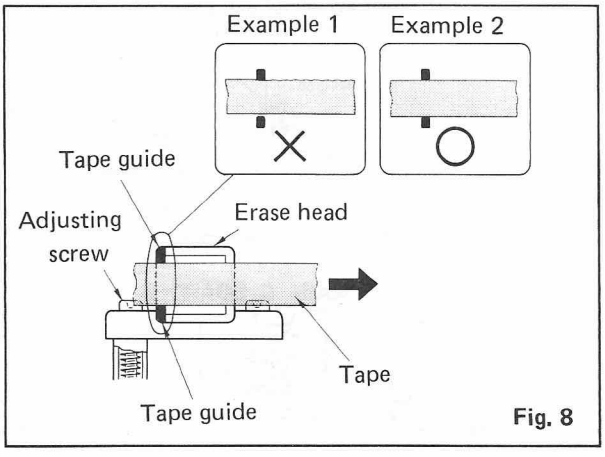
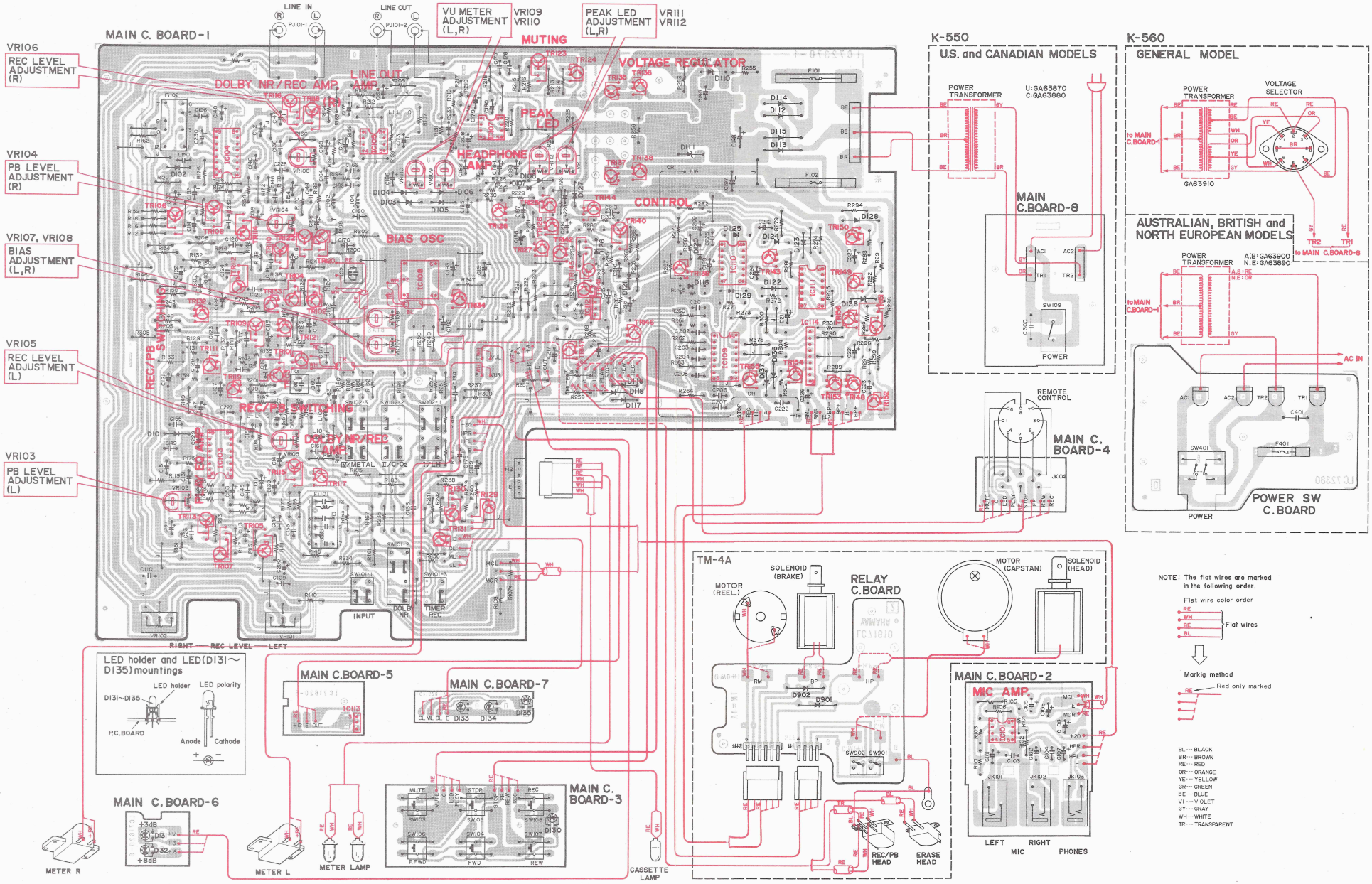


Fig. 8

WIRING

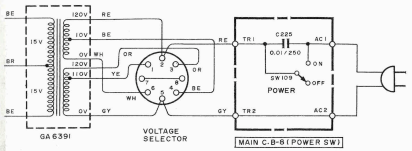

MAIN C. BOARD-1
LINE IN
LINE OUT
VU METER ADJUSTMENT (L,R)
VRI09 VRI10
PEAK LED ADJUSTMENT (L,R)
VRI11 VRI12
MUTING
VOLTAGE REGULATOR
DOLBY NR/REC AMP
LINE OUT AMP
PEAK LED
HEADPHONE AMP
CONTROL
BIAS OSC
REC/PB SWITCHING
DOLBY NR/REC AMP
PB AMP
VRI06 REC LEVEL ADJUSTMENT (R)
VRI04 PB LEVEL ADJUSTMENT (R)
VRI07, VRI08 BIAS ADJUSTMENT (L,R)
VRI05 REC LEVEL ADJUSTMENT (L)
VRI03 PB LEVEL ADJUSTMENT (L)
RIGHT REC LEVEL LEFT
INPUT
DOLBY NR
TIMER REC
LED holder and LED(D131~D135) mountings
LED holder
LED polarity
D131~D135
P.C.BOARD
Anode
Cathode
MAIN C.BOARD-5
MAIN C.BOARD-7
MAIN C. BOARD-6
MAIN C. BOARD-3
METER R
METER L
METER LAMP
CASSETTE LAMP
K-550
U.S. and CANADIAN MODELS
POWER TRANSFORMER
U:GA63870
C:GA63880
MAIN C.BOARD-8
POWER
REMOTE CONTROL
MAIN C. BOARD-4
K-560
GENERAL MODEL
POWER TRANSFORMER
VOLTAGE SELECTOR
to MAIN C.BOARD-1
GA63910
AUSTRALIAN, BRITISH and NORTH EUROPEAN MODELS
A,B:GA63900
N,E:GA63890
to MAIN C.BOARD-8
AC IN
POWER SW C.BOARD
TM-4A
SOLENOID (BRAKE)
MOTOR (REEL)
RELAY C.BOARD
MOTOR (CAPSTAN)
SOLENOID (HEAD)
REC/PB HEAD
ERASE HEAD
MAIN C.BOARD-2
MIC AMP.
LEFT
RIGHT
MIC
PHONES
NOTE: The flat wires are marked in the following order.
Flat wire color order
Flat wires
Markig method
Red only marked
BL··· BLACK
BR··· BROWN
RE··· RED
OR··· ORANGE
YE··· YELLOW
GR··· GREEN
BE··· BLUE
VI···VIOLET
GY···GRAY
WH···WHITE
TR···TRANSPARENT

■ SCHEMATIC DIAGRAM

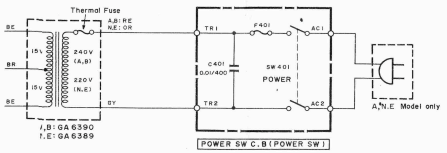
RESISTOR	
REMARKS	PARTS NAME
NO MARK	CARBON RESISTER
ⓢ	SEMI VARIABLE RESISTOR
Ⓜ	METAL OXIDE FILM RESISTOR
ⓕ	FIRE PROOF CARBON RESISTOR

CAPACITOR	
REMARKS	PARTS NAME
NO MARK	CERAMIC CAPACITOR
Ⓜ	MYLAR CAPACITOR
Ⓒ	MICA CAPACITOR

■ GENERAL MODEL



■ AUSTRALIAN, BRITISH and NORTH EUROPEAN MODELS



Description	Fuse No
A	F101 0.5A 250V
B, N.E	T200mA 250V

Description	Fuse No	Capacitor
	F101, F102	C225
J, R	T2A 250V	0.01/250
U, C	2A 250V	0.01
G, B	T1.5A 250V	
A	T2A 250V	

NOTES :

- The voltages are those obtained in the stop mode. However, those within brakets have been obtained in the recording mode.
- * These voltages have been measured with a 1MΩ internal voltmeter.
- Signal Flow
  L-ch is indicated by ⇨ in the playback mode.
  R-ch is indicated by ➡ in the recording mode.
- This circuit diagram is standard circuit diagram, and may be subject to change without previous notice.

PARTS LIST

K-550 / 560

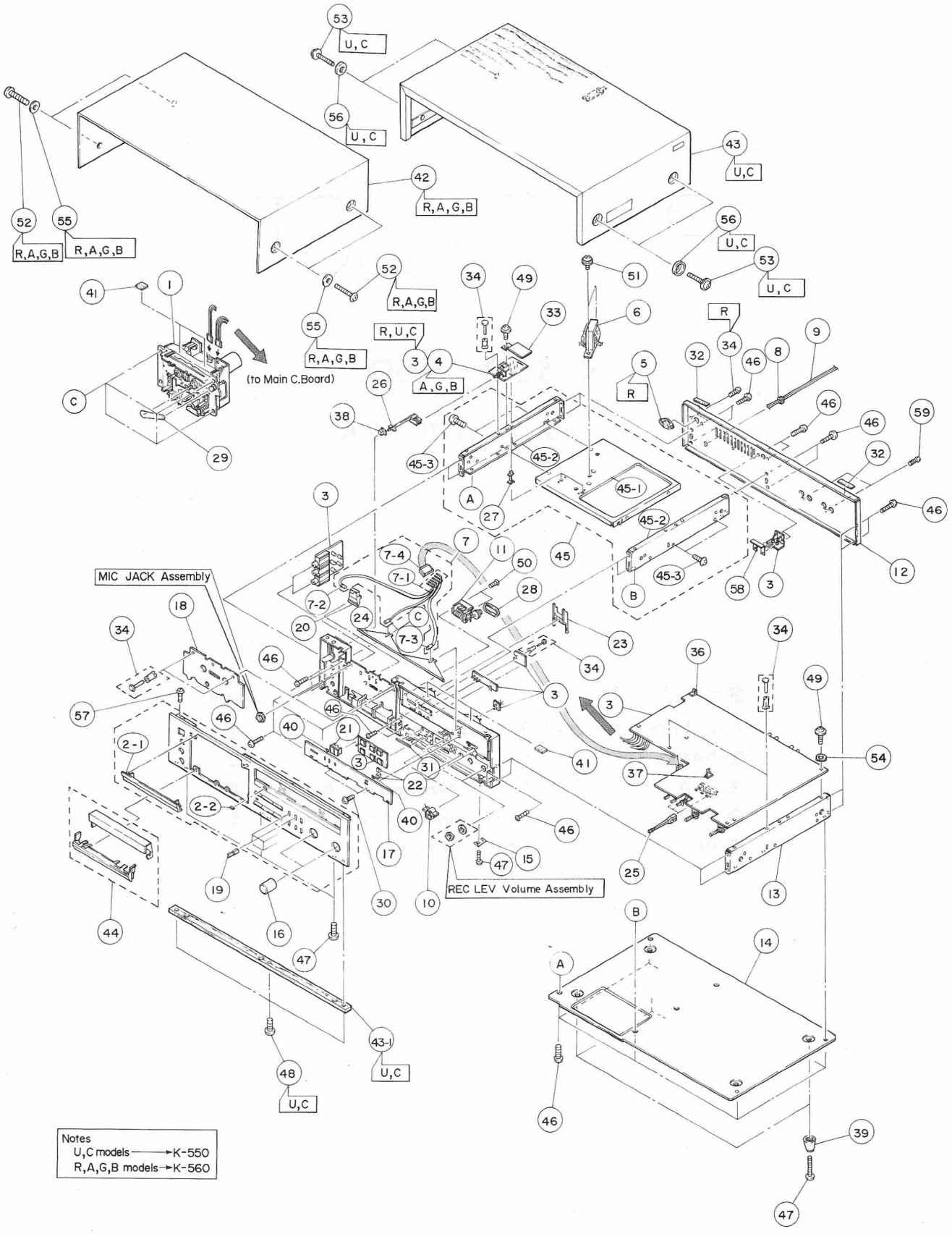
STEREO CASSETTE DECK

■ CONTENTS page

■ EXPLODED VIEW (All over) 1
■ PARTS LIST (All over) 2
■ EXPLODED VIEW (TM-4A Mechanism Ass'y) ... 4
■ PARTS LIST (TM-4A Mechanism Ass'y) 5
■ PARTS LIST (Circuit Board Parts) 7

SINCE 1887 YAMAHA
NIPPON GAKKI CO., LTD. HAMAMATSU, JAPAN

004423


MIC JACK Assembly
REC LEV Volume Assembly
(to Main C.Board)
Notes
U,C models ——→K-550
R,A,G,B models→K-560

■ PARTS LIST (All over)

	Ref. No.	Part No.	Description	(部 品 名)	Remarks	Common model	Markets
※	1	32 00 00 SM 60 08 00	TM-4A Mechanism Unit	メカユニット			
※	2	32 00 00 NB 09 87 90	Front Panel Unit	フロントパネルユニット	K-8		
※	〃	32 00 00 NB 09 88 10	〃	〃	K-560		
※	〃	32 00 00 NB 09 88 30	〃	〃	K-550		
※	〃	32 00 00 NB 09 88 20	〃 (Black model)	〃			G
※	2-1	32 00 00 CB 60 08 70	Top Lid	トップリッドS			
※	〃	32 00 00 CB 60 08 80	〃 (Black model)	〃 B			G
※	2-2	32 00 00 CB 60 09 70	Reset Button	リセットボタンS			
※	〃	32 00 00 CB 60 09 80	〃 (Black model)	〃 B			
※	3	32 00 00 NA 07 56 00	Main C.Board	メインシート	K-8,K-560		J,R
※	〃	32 00 00 NA 07 56 10	〃	〃	K-550		U
※	〃	32 00 00 NA 07 56 20	〃	〃	K-560		A
※	〃	32 00 00 NA 07 56 30	〃	〃	K-560		G,B
※	〃	32 00 00 NA 07 56 40	〃	〃	K-550		C
※	4	32 00 00 NA 07 52 60	Power SW C.Board	パワーSWシート	K-560		G,B
※	〃	32 00 00 NA 07 52 70	〃	〃	K-560		A
※	5	42 00 00 LB 20 14 80	Voltage Selector	電圧切換器	K-560		R
※	6	42 00 00 GA 63 86 00	Power Transformer	電源トランス	K-8		J
※	〃	42 00 00 GA 63 87 00	〃	〃	K-550		U
※	〃	42 00 00 GA 63 88 00	〃	〃	K-550		C
※	〃	42 00 00 GA 63 89 00	〃	〃	K-560		G
※	〃	42 00 00 GA 63 90 00	〃	〃	K-560		A,B
※	〃	42 00 00 GA 63 91 00	〃	〃	K-560		R
	7	32 00 00 MZ 07 95 60	Lamp Connector Assembly	ランプコネクターAss'y			
	7-1	42 00 00 BB 00 44 30	2.5 Pitch Contact Pin SHF-001T-08CS	2.5ピッチコンタクトピン			
※	7-2	42 00 00 JB 00 09 20	Pilot Lamp Lead Type 14.5V 80mA	パイロットランプリード式			
※	7-3	42 00 00 JB 00 09 30	〃	〃			
	7-4	42 00 00 LB 60 28 10	2.5 Pitch Housing H6P-SHF	2.5ピッチハウジング			
	8	42 00 00 CB 06 86 30	Cord Stopper SR-3P-4	コードストッパー	K-8,K-550		J,U,C
	〃	42 00 00 CB 07 27 50	〃 SR-4N-4	〃	K-560		R,A,G,B
	9	42 00 00 MG 00 04 10	Power Cord Black 2.2m 7A 125V	電源コード	K-8		J
	〃	42 00 00 MG 00 07 80	〃 〃 2m 6A 250V	〃	K-560		R
	〃	42 00 00 MG 00 08 40	〃 〃 2m 10A 125V	〃	K-550		U,C
	〃	42 00 00 MG 00 09 20	〃 Gray 2.5m 7.5A 250V	〃	K-560		A
	〃	42 00 00 MG 00 09 50	〃 〃 2m 2.5A 250V	〃	K-560		G
	〃	42 00 00 MG 00 10 00	〃 Black 2m 6A 300/500V	〃	K-560		B
※	10	42 00 00 Ji 00 12 00	Unit Meter	ユニットメーター			
※	11	42 00 00 PB 06 18 90	Counter	カウンターS			
※	〃	42 00 00 PB 06 18 80	〃 (Black model)	〃 B	K-560(B)		G
※	12	32 00 00 AA 60 47 30	Rear Panel (J)	リアパネル	K-8		J
※	〃	32 00 00 AA 60 47 40	〃 (R)	〃	K-560		R
※	〃	32 00 00 AA 60 47 50	〃 (U,C)	〃	K-550		U,C
※	〃	32 00 00 AA 60 47 60	〃 (A)	〃	K-560		A
※	〃	32 00 00 AA 60 47 70	〃 (G)	〃	K-560		G
※	〃	32 00 00 AA 60 47 80	〃 (B)	〃	K-560		B
※	13	32 00 00 AA 60 48 10	Side Frame	サイドフレーム			
※	14	32 00 00 AA 60 48 30	Bottom Cover	ボトムカバー			
※	15	32 00 00 AA 60 56 30	Earth Plate	アース板			
	16	32 00 00 BA 07 73 50	Knob, REC	RECツマミ			
	〃	32 00 00 BA 07 73 60	〃 (Black model)	〃	K-560(B)	K-350(B)	G
※	17	32 00 00 BA 07 97 70	Meter Plate	メータープレートS			
※	〃	32 00 00 BA 07 97 80	〃 (Black model)	〃 B	K-560(B)		G
※	18	32 00 00 BA 07 97 90	Cassette Plate	カセットプレートS			

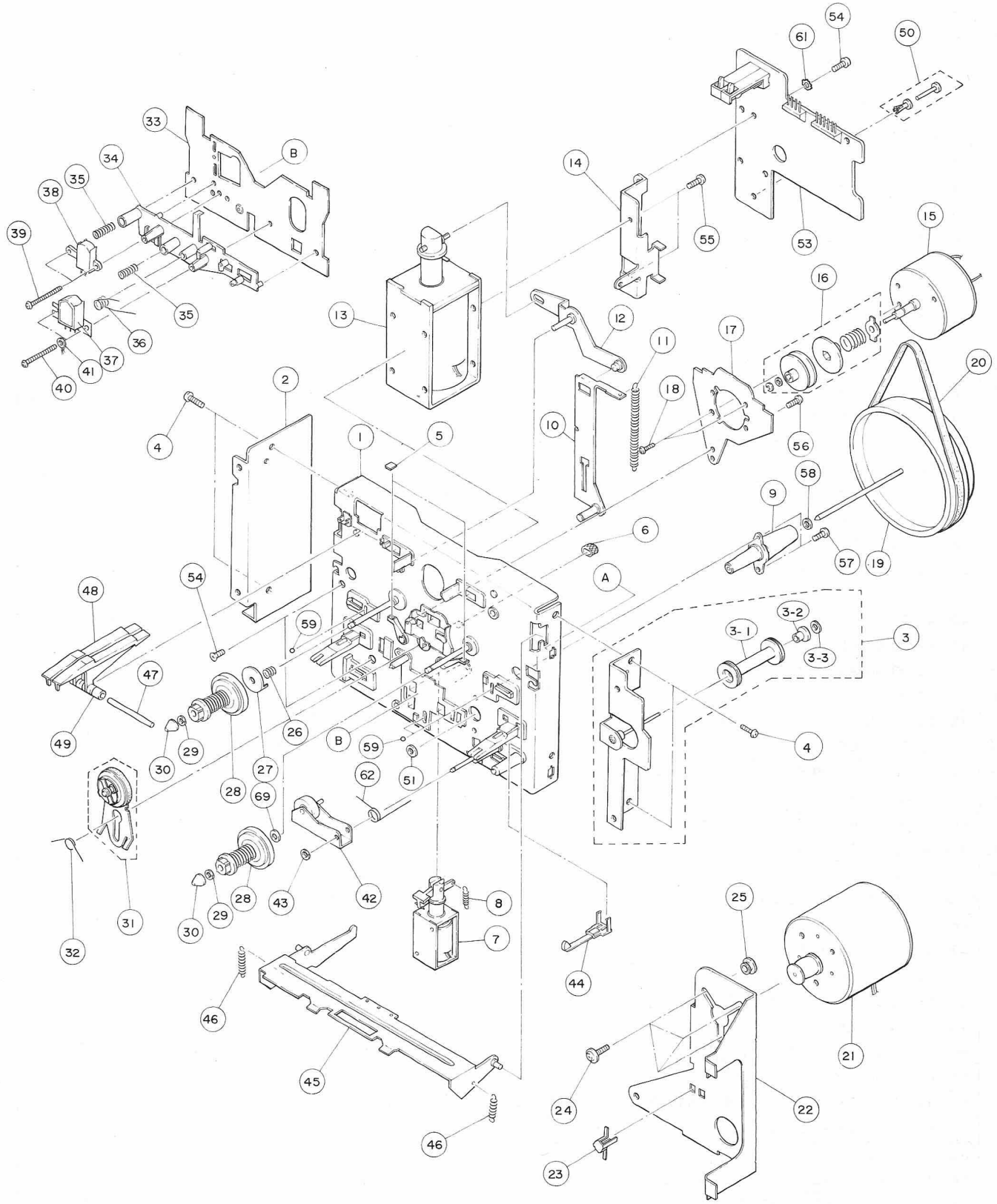
※ : New Part (新部品)

DESTINATION ABBREVIATIONS
R : General, A : Australian, C : Canadian, B : British, G : North European U : U.S.A

	Ref. No.	Part No.	Description	(部 品 名)	Remarks	Common model	Markets
※	18	32 00 00 BA 07 98 00	Cassette Plate (Black model)	カセットプレートB	K-560(B)		G
※	19	32 00 00 CB 60 10 90	Push Button 3.5×7	P.B			
※	〃	32 00 00 CB 60 11 00	〃 3.5×7 (Black model)	〃	K-560(B)		G
※	20	32 00 00 CB 60 11 30	Half Lens	ハーフレンズ			
※	21	32 00 00 CB 60 11 40	T.D Lens	T.Dレンズ			
※	22	32 00 00 CB 60 11 50	P.L Lens	P.Lレンズ			
※	23	32 00 00 CB 60 11 60	Reset Lever	リセットレバー			
※	24	32 00 00 CB 60 11 70	Meter Lens	メーターレンズ			
※	25	32 00 00 CB 60 11 80	C.R 59	C.R59			
※	26	32 00 00 CB 60 12 00	C.R 83.5	C.R 83.5			
※	27	32 00 00 CB 60 12 50	P.C.B Specer	P.C.Bスペーサー			
※	28	32 00 00 CB 60 12 60	Counter Belt	カウンターベルト			
※	29	32 00 00 CB 60 12 70	Belt	中継ベルト			
※	30	32 00 00 CB 60 14 20	Plastic Rivet	プラスチックリベット			
※	31	32 00 00 CB 60 15 40	SW Cushion	SWクッション			
※	32	32 00 00 CB 60 15 50	Anti Vibration Tape	防振テープ			
※	33	32 00 00 CB 60 19 80	Isoration Plate	絶縁板			
	34	42 00 00 CB 06 88 80	Plastic Rivet	プラスチックリベット			
	35	32 00 00 CB 08 89 30	〃	〃			
	36	32 00 00 CB 09 12 90	P.C.B Holder	基板ホルダー		T-550	
	37	32 00 00 CB 07 66 80	Holder, Meter	メータ押え		T-550	
	38	32 00 00 CB 09 38 30	Power Button	パワーボタン		CR-440(S)	
	39	42 00 00 CB 09 86 00	Leg	脚	K-8,K-560		J,R,A,G,B
	〃	42 00 00 CB 07 44 50	〃	トランレッグG	K-550	C-1	U,C
	40	42 00 00 CB 07 41 90	Tape H=5mm l=30	ダブルタックテープ			
	41	42 00 00 CE 62 70 10	Cushion, Lever	レバークッション		TM-3A	
※	42	32 00 00 AA 60 47 90	Top Cover S	トップカバーS	K-8		J
※	〃	32 00 00 AA 60 48 00	〃 B	〃 B	K-560		R,A,G,B
※	43	32 01 79 27 62 52 10	Cabinet	外装組立	K-550		U,C
※	43-1	32 01 79 00 00 00 60	Front Bar	面 棒	K-550		U,C
※	44	32 00 00 NB 09 88 70	Head Cover S Assembly	ヘッドカバーS Ass'y			
※	〃	32 00 00 NB 09 88 80	〃 B 〃 (Black model)	〃 B Ass'y	K-560(B)		G
※	45	32 00 00 NB 09 89 80	Side Frame Assembly	サイドフレーム Ass'y			
※	45-1	32 00 00 AA 60 48 20	Holder, T.R	T.Rホルダー			
※	45-2	32 00 00 AA 60 48 10	Side Frame	サイドフレーム			
	45-3	42 00 00 EK 09 50 20	Bind Head Tap-Tyte Screw 3×6 (ZMC2-Y)	鉄バインドタップタイトネジ	B-Tyte		
	46	42 00 00 EK 09 50 30	Bind Head Tap-Tyte Screw 3×8 (ZMC2-Y)	〃	〃		
	47	42 00 00 EK 09 50 40	〃 3×10 〃	〃	〃		
	〃	42 00 00 EK 09 50 50	〃 3×16 〃	〃	〃		
	48	42 00 00 EK 33 00 30	B.W Bind Head Tapping Screw 3×10 (FCM3-Bl)	鉄ブレザーワッシャーヘッドタッピンネジ			
	49	42 00 00 EK 33 60 10	〃 3×8 (ZMC2-Y)	〃	Type 2		
	50	42 00 00 EN 03 00 30	Bind Head Tapping Screw 2.6×8 (ZMC2-Y)	鉄バインドタッピングネジ	〃		
	51	42 00 00 EH 04 00 80	Pan Head Sems Screw 4×8 (ZMC2-Y)	鉄セムスナベ小ネジ			
	52	42 00 00 EK 13 00 20	B.W Head Screw 4×8 (FNM3-3g)	鉄ブレーザーワッシャーヘッド小ネジ			
	〃	42 00 00 EK 36 50 40	〃 4×8 (FCM3-Bl)	〃			
	53	42 00 00 EK 36 51 00	〃 4×16 (FCM3-Bl)	〃			
	54	42 00 00 EV 42 00 30	Toothed Lock Washer φ3 (ZMC2-Y)	外歯形歯付座金			
	55	42 00 00 EV 90 01 00	Washer 0.8×4.1×9.5	ファイバーワッシャ			R,A,G,B
	56	42 00 00 CB 07 95 20	Hole Cap	ホールキャップ		CR-2020	U,C
	57	42 00 00 EK 04 30 20	Flat Head Tap-Tyte Screw 3×8 (ZMC2-Y)	鉄皿タップタイトネジ	B-Tyte		
	58	32 00 00 AA 60 74 20	Fixing Plate, Connector	連ナット			
	59	42 00 00 ED 03 00 80	Bind Head Screw 3×8 (ZMC2-Y)	鉄バインド小ネジ			

※：New Part (新部品)

K-550/560 ■ EXPLODED VIEW (TM-4A Mechanism Ass'y)



■ PARTS LIST (TM-4A Mechanism Ass'y)

	Ref. No	Part No.	Description	(部 品 名)	Remarks	Common model	Markets
※		32 00 00 SM 60 08 00	TM-4A Cassette Mechanism	TM-4A総組立			
※	1	32 00 00 NB 09 81 20	Mechanism Chassis Assembly	メカシャーシAss'y			
※	2	32 00 00 AA 60 48 50	Angle	アンブル			
※	3	32 00 00 NB 09 86 50	Pulley Assembly	中継プーリーAss'y			
※	3-1	32 00 00 CB 09 27 60	Pulley	中継プーリー			
	3-2	32 00 00 CB 09 07 60	Stopper, Reel Plate	リール台ストッパー			
※	3-3	32 00 00 CB 09 08 60	Washer PW1.6×3.4×0.25t	ポリスライダーワッシャ			
	4	42 00 00 EK 09 60 30	Bind Head Tap-Tyte Screw 3×6 (ZMC2-Y)	鉄バインドタップタイトネジ	S-tyte		
※	5	42 00 00 CC 01 67 80	Felt, Brake	ブレーキフェルト			
※	6	32 00 00 CB 60 03 30	Stopper, Rubber	ストッパーゴム			
※	7	42 00 00 JF 00 03 00	Solenoid, Brake Assembly TDS-07A	ブレーキソレノイドAss'y			
※	8	32 00 00 AA 60 43 60	Spring, Brake	ブレーキスプリング			
※	9	32 00 00 NB 09 81 30	Metal Case Assembly	メタルケースAss'y			
※	10	32 00 00 NB 09 81 40	Coupling Plate Assembly (Base)	ベース連結板Ass'y			
※	11	32 00 00 AA 60 43 80	Spring (Return)	リターンSP			
※	12	32 00 00 NB 09 81 50	Rink Assembly	リンクAss'y			
※	13	42 00 00 JF 00 03 10	Solenoid (Base) TDS-10E	ベースソレノイド			
※	14	32 00 00 AA 60 43 90	Blacket (P.C.B)	基板ブラケット			
※	15	42 00 00 JC 00 06 60	Reel Motor MMN-6	リールモーター			
※	16	32 00 00 NB 60 18 30	Clutch Assembly	クラッチAss'y			
※	17	32 00 00 AA 60 44 00	Blacket (Motor)	モーターブラケット			
	18	42 00 00 EA 02 60 30	Pan Head Screw 2.6×3S (ZMC2-Y)	ナベ小ネジ			
※	19	32 00 00 NB 09 81 70	Flywheel Assembly	フライホイールAss'y			
※	20	32 00 00 CB 60 03 70	Belt, Flywheel	平ベルト Ersatz CB 600371			
※	21	42 00 00 JC 00 06 50	Motor Assembly, Capstan	キャプスタンモーターAss'y			
※	22	32 00 00 AA 60 44 30	Back Plate	バックプレート			
※	23	32 00 00 CB 60 03 80	Flywheel Catch	フライホイール受け			
※	24	32 00 00 AA 60 66 50	Screw (Motor Maunting)	モーター取付ネジ			
※	25	32 00 00 CB 60 24 10	Speacer (Motor Maunting)	モーター取付座			
※	26	32 00 00 AA 69 44 50	BT Spring	BTスプリング			
※	27	32 00 00 NB 09 81 80	BT Disc Assembly	BTディスクAss'y			
※	28	32 00 00 NB 09 81 90	Reel Base Assembly	リール台Ass'y			
	29	32 00 00 CB 09 08 60	PW 1.6-3.4-0.25	ポリスライダーワッシャ		K-850	
	30	32 00 00 CB 09 24 00	Reel Cap	リールキャップ		TC-920	
※	31	32 00 09 NB 00 82 00	Idler Assembly	アイドラーAss'y			
※	32	32 00 00 AA 60 44 90	Spring (Idler)	アイドラーSP			
※	33	32 00 00 AA 60 45 00	Head Base	ヘッドベース			
※	34	32 00 00 CB 60 04 50	Base	支柱台			
※	35	32 00 00 AA 60 45 10	Spring	アジマスSP			
※	36	32 00 00 AA 60 45 20	〃	ベース駆動SP			
	37	42 00 00 GF 00 01 30	REC Playback Head Lo-Z	録再ヘッド		K-850	
	38	42 00 00 GF 00 01 00	Erase Head	消去ヘッド		〃	
	39	42 00 00 ED 02 01 60	Bind Head Screw 2×16S (ZMC2-Y)	バインド小ネジ			
	40	42 00 00 ED 02 01 40	〃 2×14S (〃)	〃			
	41	42 00 00 LA 00 33 70	Lug 2mmφ	アースラグ			
※	42	32 00 00 NB 09 82 30	Pinch Roller Assembly	ピンチローラーAss'y			
※	43	32 00 00 CB 60 04 60	PW 2.1-4.5-0.5	PW			
※	44	32 00 00 CB 60 04 70	Clamper	ハーフクランパー			
※	45	32 00 00 NB 09 82 40	Holder Plate, Assembly	押え板Ass'y			
※	46	32 00 00 AA 60 45 80	Spring	押えSP			
※	47	32 00 00 BB 06 92 50	Shaft, Senser	センサーシャフト			

※ : New Part (新部品)

	Ref. No.	Part No.	Description	(部 品 名)	Remarks	Common model	Markets
※	48	32 00 00 CB 60 04 80	Lever Senser	センサーレバー			
※	49	32 00 00 AA 60 16 20	Collar, Senser	センサーカラー			
	50	42 00 00 CB 06 88 80	Plastic Rivet ϕ3.5	プラスチックリベット			
	51	42 00 00 CB 08 26 10	Washer (Capstan)	キャプスタンワッシャー			
	52	32 00 00 AA 60 45 30	Spring, Pinch Roller	ピンチローラーSP			
※	53	32 00 00 NA 07 54 70	Relay C.Board	中継シート			
※	54	42 00 00 EB 03 00 80	Flat Head Screw 3×8S (ZMC2-Y)	皿小ネジ			
	55	42 00 00 EA 03 00 40	Pan Head Screw 3×4S (〃)	ナベ小ネジ			
	56	42 00 00 Ei 03 00 80	Bind Head Tapping Screw 3×8S (ZMC2-Y)	バインドタッピンネジ			
	57	42 00 00 EK 09 60 40	Bind Head Tap-Tyit Screw 3×5S (ZMC2-Y)	バインドタップタイト (Sタイト) ネジ	S-tyte		
	58	42 00 00 EV 90 00 50	Washer 2.6×4.7×0.25 STW-FT25	ポリスライダーワッシャ			
	59	42 00 00 EZ 00 19 80	Steel Ball 2.5ϕ	スチールボール			
	60	42 00 00 EV 90 00 40	Washer 2.1×4×0.25 STW-FT20	ポリスライダーワッシャ			
	61	42 00 00 EV 42 00 30	Toothed Locked Washer ϕ3 (ZMC2-Y)	外歯形歯付座金			

※ : New Part (新部品)

■ PARTS LIST (Circuit Board Parts)

	Ref. No.	Part No.	Description	(部 品 名)	Remarks	Common model	Markets
※		32 00 00 NA 07 56 00	Main C. Board	メインシート			J,R
※		32 00 00 NA 07 56 10	〃	〃			U
※		32 00 00 NA 07 56 20	〃	〃			A
※		32 00 00 NA 07 56 30	〃	〃			G,B
※		32 00 00 NA 07 56 40	〃	〃			C
	C101 C102	42 00 00 UW 86 61 00	Electrolytic Capacitor 1μF 50V	ケミコン			
	C103 C104	42 00 00 FG 51 21 00	Ceramic Capacitor 100PF 50V SL(K)	フォーミングセラコン			
	C105 C106	42 00 00 UW 86 61 00	Electrolytic Capacitor 1μF 50V	ケミコン			
	C107	42 00 00 UW 84 72 20	〃 22μF 25V	〃			
	C108	42 00 00 UW 84 74 70	〃 47μF 25V	〃			
	C109 C110	42 00 00 FG 51 21 00	Ceramic Capacitor 100PF 50V SL(K)	フォーミングセラコン			
	C111 C112	42 00 00 FZ 00 05 70	Electrolytic Capacitor 1μF 50V	MSコン			
	C113 C114	42 00 00 UW 84 64 70	〃 4.7μF 25V	ケミコン			
	C115 C116	42 00 00 FZ 00 04 90	〃 4.7μF 35V	MSコン			
	C117 C118	42 00 00 FG 51 23 30	Ceramic Capacitor 100PF 50V SL(K)	フォーミングセラコン			
	C119 C120	42 00 00 FG 51 31 50	〃 0.0015μF 50V B(K)	〃			
	C121 C122	42 00 00 UW 84 74 70	Electrolytic Capacitor 47μF 25V	ケミコン			
	C123 C124	42 00 00 FG 51 12 20	Ceramic Capacitor 22PF 50V SL(K)	フォーミングセラコン			
	C125 C126	42 00 00 FA 15 41 20	Mylar Capacitor 0.012μF 50V(J)	マイラーコン			
	C127 C128	42 00 00 UW 81 82 20	Electrolytic Capacitor 220μF 6.3V	ケミコン			
	C129 C130	42 00 00 UW 84 64 70	〃 4.7μF 25V	〃			
	C131 C132	42 00 00 UW 84 74 70	〃 47μF 25V	〃			
	C133 C134	42 00 00 FA 15 36 80	Mylar Capacitor 0.0068μF50V MS(J)	マイラーコン			
	C135 C136	42 00 00 FA 15 35 60	〃 22μF 25V	〃			
	C137 C138	42 00 00 UW 84 64 70	Electrolytic Capacitor 4.7μF 25V	ケミコン			
	C139 ~142	42 00 00 UW 84 64 70	〃 4.7μF 25V	〃			
	C143 C144	42 00 00 FA 15 42 70	Mylar Capacitor 0.027μF 50V MS(J)	マイラーコン			
	C145 C146	42 00 00 FA 15 34 70	〃 0.0047μF 〃	〃			
	C147 C148	42 00 00 UW 83 82 20	Electrolytic Capacitor 220μF 16V	ケミコン			
	C149 C150	42 00 00 FA 11 51 00	Mylar Capacitor 0.1μF 50V MS(K)	マイラーコン			
	C151 C152	42 00 00 FM 42 53 30	Electrolytic Capacitor 0.33μF 50V	Zコン			
	C153 C154	42 00 00 UW 84 71 00	Electrolytic Capacitor 10μF 25V	ケミコン			
	C155 C156	42 00 00 FA 11 44 70	Mylar Capacitor 0.047μF 50V MS(J)	マイラーコン			
	C157 C158	42 00 00 UW 84 71 00	Electrolytic Capacitor 10μF 25V	ケミコン			
	C159 C160	42 00 00 FA 15 35 10	Mylar Capacitor 0.0051μF 50V MS(J)	マイラーコン			
	C161 C162	42 00 00 FA 15 36 80	〃 0.0068μF 〃	〃			
	C163 C164	42 00 00 UW 84 71 00	Electrolytic Capacitor 10μF 25V	ケミコン			
	C165 C166	42 00 00 FA 11 51 00	Mylar Capacitor 0.1μF 50V MS(K)	マイラーコン			
	C167 C168	42 00 00 UW 84 64 70	Electrolytic Capacitor 4.7μF 25V	ケミコン			
	C169 C170	42 00 00 FG 51 28 20	Ceramic Capacitor 820PF 50V B(K)	フォーミングセラコン			
	C171 C172	42 00 00 FU 15 21 80	Mica Capacitor 180PF 500V	シルバードマイカコン			
	C173 ~176	42 00 00 UW 84 64 70	Electrolytic Capacitor 4.7μF 25V	ケミコン			
	C177 C178	42 00 00 FG 51 21 00	Ceramic Capacitor 100PF 50V SL(K)	フォーミングセラコン			
	C179 C180	42 00 00 UW 84 64 70	Electrolytic Capacitor 4.7μF 25V	ケミコン			
	C181 C182	42 00 00 UW 84 71 00	〃 10μF 25V	〃			
	C183 C184	42 00 00 UW 84 72 20	〃 22μF 25V	〃			
	C185 C186	42 00 00 UW 81 82 20	〃 220μF 6.3V	〃			
	C187	42 00 00 UW 86 61 00	〃 1μF 50V	〃			
	C188	42 00 00 UW 84 71 00	〃 10μF 25V	〃			
	C189	42 00 00 UW 84 64 70	〃 4.7μF 25V	〃			
	C190	42 00 00 UW 84 72 20	〃 22μF 25V	〃			
	C191	42 00 00 UW 81 81 00	〃 100μF 6.3V	〃			
	C192	42 00 00 UW 84 71 00	〃 10μF 25V	〃			

※ : New Part (新部品)

Ref. No.	Part No.	Description	(部 品 名)	Remarks	Common model	Markets
C193	42 00 00 UW 86 61 00	Electrolytic Capacitor 1μF 50V	ケミコン			
C194	42 00 00 UW 84 74 70	〃 47μF 25V	〃			
C195	42 00 00 UW 84 81 00	〃 100μF 25V	〃			
C196	42 00 00 UW 84 71 00	〃 10μF 25V	〃			
C197	42 00 00 UW 84 91 00	〃 1000μF 25V	〃			
C198	42 00 00 UW 86 91 00	〃 1000μF 50V	〃			
C199	42 00 00 UW 86 61 00	〃 1μF 50V	〃			
C200	42 00 00 UW 84 64 70	〃 4.7μF 25V	ケミコン			
C201 –207	42 00 00 FG 54 41 00	Ceramic Capacitor 0.01μF 50V F(Z)	フォーミングセラコン			
C208	42 00 00 UW 84 72 20	Electrolytic Capacitor 22μF 25V	ケミコン			
C209	42 00 00 UW 86 61 00	〃 1μF 50V	〃			
C210	42 00 00 UW 84 74 70	〃 47μF 25V	〃			
C211	42 00 00 UW 81 81 00	〃 100μF 6.3V	〃			
C212	42 00 00 FM 09 64 70	〃 4.7μF 16V	B・Pコン	Non-poler type		
C213	42 00 00 FG 51 31 50	Ceramic Capacitor 0.0015μF 50V B(K)	フォーミングセラコン			
C214	42 00 00 UW 81 84 70	Electrolytic Capacitor 470μF 6.3V	ケミコン			
C215 C216	42 00 00 UW 84 64 70	〃 4.7μF 25V	〃			
C217	42 00 00 UW 84 71 00	〃 10μF 25V	〃			
C218	42 00 00 UW 81 82 20	〃 220μF 6.3V	〃			
C219	42 00 00 UW 86 61 00	〃 1μF 50V	〃			
C220	42 00 00 UW 84 81 00	〃 100μF 25V	〃			
C221	42 00 00 UW 84 72 20	〃 22μF 25V	〃			
C222	42 00 00 FG 54 41 00	Ceramic Capacitor 0.01μF 50V F(Z)	フォーミングセラコン			
C223	42 00 00 UW 84 72 20	〃 22μF 25V	〃			
C224	42 00 00 UW 81 82 20	〃 220μF 6.3V	〃			
C225	42 00 00 FG 54 44 70	〃 0.047μF 50V F(Z)	〃			
C226	42 00 00 FM 09 72 20	Electrolytic Capacitor 22μF 16V	BPコン	Non-poler type		
C227 C228	42 00 00 FG 51 31 00	Ceramic Capacitor 0.001μF 50V B(K)	フォーミングセラコン			
C229 C230	42 00 00 UW 84 71 00	Electrolytic Capacitor 10μF 25V	ケミコン			
C231 C232	42 00 00 FG 51 21 00	Ceramic Capacitor 100PF 50V SL(K)	フォーミングセラコン			
C233	42 00 00 UW 84 74 70	Electrolytic Capacitor 47μF 25V	ケミコン			
C300	42 00 00 Fi 34 41 00	Ceramic Capacitor 0.1μF MY (DE)	セラコン	Spark Killer		U.C
〃	42 00 00 Fi 32 41 00	〃 0.1μF AC250V (DE)	〃			J.R
※ FI101 FI102	42 00 00 GE 20 03 40	Dolby Filter FB-22	ドルビーフィルター			
※ T101 T102	42 00 00 GE 90 04 80	Bias Trap 105KHz	バイアストラップ			
L101 L102	42 00 00 GE 90 04 30	Inductor 15mH	固定インダクター			
L103 L104	42 00 00 GE 90 02 30	〃 6.8mH	〃			
R101 R102	42 00 00 HJ 35 64 70	Carbon Resistor RD25 SM-8 4.7KΩ	カーボン抵抗			
R103 R104	42 00 00 HJ 35 84 70	〃 470KΩ	〃			
R105 R106	42 00 00 HJ 35 71 00	〃 10KΩ	〃			
R107 R108	42 00 00 HJ 35 81 00	〃 100KΩ	〃			
R109 R110	42 00 00 HJ 35 73 30	〃 33KΩ	〃			
R111 R112	42 00 00 HJ 35 71 00	〃 10KΩ	〃			
R113 R114	42 00 00 HJ 35 81 00	〃 100KΩ	〃			
R115 R116	42 00 00 HJ 35 72 20	〃 22KΩ	〃			
R117 R118	42 00 00 HJ 35 83 90	〃 390KΩ	〃			
R119 R120	42 00 00 HV 55 42 70	Flame Proof Carbon Resistor RDF25 27Ω	不燃化カーボン抵抗			
R123 R124	42 00 00 HJ 35 41 00	Carbon Resistor RD25 SM-8 10Ω	カーボン抵抗			
R125 –128	42 00 00 HJ 35 71 00	〃 10KΩ	〃			
R129 R130	42 00 00 HJ 35 81 00	〃 100KΩ	〃			
R131 R132	42 00 00 HJ 35 68 20	〃 8.2KΩ	〃			

※ : New Part (新部品)

Ref. No.	Part No.	Description		(部 品 名)	Remarks	Common model	Markets
R133 R134	42 00 00 HJ 35 62 20	Carbon Resistor RD25, SM-8	2.2KΩ	カーボン抵抗			
R135 R136	42 00 00 HJ 35 45 60	〃	56Ω	〃			
R137 R138	42 00 00 HJ 35 78 20	〃	82KΩ	〃			
R139 R140	42 00 00 HJ 35 56 80	〃	680Ω	〃			
R141 R142	42 00 00 HJ 35 71 20	〃	12KΩ	〃			
R143 R144	42 00 00 HJ 35 82 70	〃	270KΩ	〃			
R145 R146	42 00 00 HJ 35 68 20	〃	8.2KΩ	〃			
R147 R148	42 00 00 HJ 35 81 00		100KΩ	〃			
R149 R150	42 00 00 HJ 35 71 00	〃	10KΩ	〃			
R151 R152	42 00 00 HJ 35 82 70	〃	270KΩ	〃			
R153 ~156	42 00 00 HJ 35 61 00	〃	1KΩ	〃			
R157 R158	42 00 00 HJ 35 62 20	〃	2.2KΩ	〃			
R159 R160	42 00 00 HJ 35 71 00	〃	10KΩ	〃			
R161 R162	42 00 00 HJ 35 81 00	〃	100KΩ	〃			
R163 ~166	42 00 00 HJ 35 74 70	〃	47KΩ	〃			
R167 R168	42 00 00 HJ 35 72 70	〃	27KΩ	〃			
R169 R170	42 00 00 HJ 35 74 70	〃	47KΩ	〃			
R171 R172	42 00 00 HJ 35 63 30	〃	3.3KΩ	〃			
R173 R174	42 00 00 HJ 35 81 80	〃	180KΩ	〃			
R177 R178	42 00 00 HJ 35 51 80	〃	180Ω	〃			
R179 R180	42 00 00 HJ 35 81 50	〃	150KΩ	〃			
R181 R182	42 00 00 HJ 35 63 30	〃	3.3KΩ	〃			
R183 ~186	42 00 00 HJ 35 54 70	〃	470Ω	〃			
R187 R188	42 00 00 HJ 35 72 20	〃	22KΩ	〃			
R189 ~190	42 00 00 HJ 35 73 30	〃	33KΩ	〃			
R191 R192	42 00 00 HJ 35 56 80	〃	680Ω	〃			
R193 R194	42 00 00 HJ 35 72 20	〃	22KΩ	〃			
R195 R196	42 00 00 HJ 35 72 20	〃	22KΩ	〃			
R197 R198	42 00 00 HJ 35 63 30	〃	3.3KΩ	〃			
R199 ~202	42 00 00 HJ 35 62 20	〃	2.2KΩ	〃			
R205 R206	42 00 00 HJ 35 71 00	Carbon Resistor RD25 SM-8	10KΩ	カーボン抵抗			
R207 R208	42 00 00 HJ 35 68 20	〃	8.2KΩ	〃			
R209	42 00 00 HV 55 42 70	Flame Proof Carbon Resistor RDF25	27Ω	不燃化カーボン抵抗			
R210	42 00 00 HJ 35 63 30	Carbon Resistor RD25 SM-8	3.3KΩ	カーボン抵抗			
R211 R212	42 00 00 HJ 35 61 00	〃	1KΩ	〃			
R213 R214	42 00 00 HJ 35 62 20	〃	2.2KΩ	〃			
R215 R216	42 00 00 HJ 35 71 20	〃	12KΩ	〃			
R217 R218	42 00 00 HJ 35 71 00	〃	10KΩ	〃			
R219 R220	42 00 00 HJ 35 74 70	〃	47KΩ	〃			
R221 R222	42 00 00 HJ 35 51 80	〃	180Ω	〃			
R223 R224	42 00 00 HJ 35 54 70	〃	470Ω	〃			
R225 ~227	42 00 00 HJ 35 63 30	〃	3.3KΩ	〃			
R228	42 00 00 HJ 35 61 00	〃	1KΩ	〃			
R229	42 00 00 HJ 35 51 80	〃	180Ω	〃			
R230	42 00 00 HJ 35 53 30	〃	330Ω	〃			
R231	42 00 00 HJ 35 64 70	〃	4.7KΩ	〃			
R232	42 00 00 HJ 35 56 80	〃	680Ω	〃			
R233	42 00 00 HJ 35 61 00	〃	1KΩ	〃			
R234	42 00 00 HJ 35 82 70	〃	270KΩ	〃			

※ : New Part (新部品)

Ref. No.	Part No.	Description	(部 品 名)	Remarks	Common model	Markets
R235	42 00 00 HJ 35 61 00	Carbon Resistor RD25 SM-8 1KΩ	カーボン抵抗			
R236	42 00 00 HJ 35 56 80	〃 680Ω	〃			
R237	42 00 00 HJ 35 61 00	〃 1KΩ	〃			
R238 ~241	42 00 00 HJ 35 71 00	〃 10KΩ	〃			
R242	42 00 00 HJ 35 62 20	〃 2.2KΩ	〃			
R243	42 00 00 HJ 35 72 20	〃 22KΩ	〃			
R244 R245	42 00 00 HJ 35 71 00	〃 10KΩ	〃			
R246	42 00 00 HJ 35 61 00	〃 1KΩ	〃			
R247	42 00 00 HJ 35 64 70	〃 4.7KΩ	〃			
R249 R250	42 00 00 HJ 35 53 30	Carbon Resistor RD25 SM-8 330Ω	カーボン抵抗			
R251	42 00 00 HJ 35 54 70	〃 470Ω	〃			
R252	42 00 00 HJ 35 61 00	〃 1KΩ	〃			
R253	42 00 00 HJ 35 45 60	〃 56Ω	〃			
R254	42 00 00 HJ 35 63 30	〃 3.3KΩ	〃			
R255 R256	42 00 00 HJ 35 64 70	〃 4.7KΩ	〃			
R257	42 00 00 HJ 35 71 00	〃 10KΩ	〃			
R258 R259	42 00 00 HJ 35 54 70	〃 470Ω	〃			
R260 ~264	42 00 00 HJ 35 51 80	〃 180Ω	〃			
R265	42 00 00 HJ 35 61 00	〃 1KΩ	〃			
R266	42 00 00 HJ 35 71 00	〃 10KΩ	〃			
R267	42 00 00 HJ 35 81 00	〃 100KΩ	〃			
R268	42 00 00 HJ 35 72 20	〃 22KΩ	〃			
R269	42 00 00 HJ 35 81 00	〃 100KΩ	〃			
R270 ~275	42 00 00 HJ 35 61 00	〃 1KΩ	〃			
R276	42 00 00 HJ 35 71 00	〃 10KΩ	〃			
R277	42 00 00 HJ 35 73 30	〃 33KΩ	〃			
R278	42 00 00 HJ 35 63 30	〃 3.3KΩ	〃			
R279	42 00 00 HJ 35 64 70	〃 4.7KΩ	〃			
R280 ~282	42 00 00 HJ 35 71 00	〃 10KΩ	〃			
R283	42 00 00 HJ 35 73 30	〃 33KΩ	〃			
R284	42 00 00 HJ 35 72 20	〃 22KΩ	〃			
R285	42 00 00 HJ 35 71 00	〃 10KΩ	〃			
R286 R287	42 00 00 HJ 35 64 70	〃 4.7KΩ	〃			
R288	42 00 00 HJ 35 74 70	〃 47KΩ	〃			
R289	42 00 00 HJ 35 53 30	〃 330Ω	〃			
R290	42 00 00 HJ 35 71 00	〃 10KΩ	〃			
※ R291	42 00 00 HL 72 41 00	Metal Oxide Film Resistor 2P 10Ω	酸金抵抗			
R292	42 00 00 HJ 35 61 00	Carbon Resistor RD25 SM-8 1KΩ	カーボン抵抗			
R293	42 00 00 HJ 35 45 60	〃 56Ω	〃			
R294 R295	42 00 00 HJ 35 55 60	〃 560Ω	〃			
R296	42 00 00 HJ 35 71 50	〃 15KΩ	〃			
R297	42 00 00 HJ 35 61 00	〃 1KΩ	〃			
R298 R299	42 00 00 HJ 35 64 70	〃 4.7KΩ	〃			
R300	42 00 00 HJ 35 53 30	〃 330Ω	〃			
R301	42 00 00 HJ 35 71 00	〃 10KΩ	〃			
R302	42 00 00 HJ 35 56 80	〃 680Ω	〃			
R304	42 00 00 HJ 35 71 00	〃 10KΩ	〃			
R305	42 00 00 HJ 35 62 20	〃 2.2KΩ	〃			
R309	42 00 00 HJ 35 61 00	〃 1KΩ	〃			

※ : New Part (新部品)

	Ref. No.	Part No.	Description		(部 品 名)	Remarks	Common model	Markets
※	VR101 VR102	42 00 00 HS 31 11 50	Variable Resistor φ16 ℓ=35 H=18A 50KΩ		ボリューム			
※	VR103 VR104	42 00 00 HT 17 02 90	Semi Variable Resistor	V8K4-11 B10KΩ	半固定VR	Inter-changeable (併用)		
	〃	42 00 00 HT 77 00 70	〃	KVSF8-7PNFX B10KΩ	〃			
※	VR105 VR106	42 00 00 HT 17 02 70	〃	V8K4-11 B5KΩ	〃	〃		
	〃	42 00 00 HT 77 00 50	〃	KVSF8-7PNFX B5KΩ	〃			
※	VR107 VR108	42 00 00 HT 17 03 10	〃	V8K4-11 B50KΩ	〃	〃		
	〃	42 00 00 HT 77 00 80	〃	KVSF8-7PNFX B50KΩ	〃			
※	VR109 VR110	42 00 00 HT 17 02 40	〃	V8K4-11 B1KΩ	〃	〃		
	〃	42 00 00 HT 77 00 30	〃	KVSF8-7PNFX B1KΩ	〃			
※	VR111 VR112	42 00 00 HT 17 02 80	〃	V8K4-11 B10KΩ	〃			
	〃	42 00 00 HT 77 00 60	〃	KVSF8-7PNFX B10KΩ	〃			
	Tr 101 ~ 108	42 00 00 iC 23 20 10	Transistor	2SC2320(E,F)	トランジスタ			
	Tr 109 Tr 110	42 00 00 iC 23 20 30	〃	2SC2320L	〃			
	Tr 111 ~ 118	42 00 00 iC 23 20 10	〃	2SC2320(E,F)	〃			
	Tr 119 Tr 120	42 00 00 iD 06 55 00	〃	2SD655(D,E,F)	〃			
	Tr 121 Tr 122	42 00 00 iC 23 20 10	〃	2SC2320(E,F)	〃			
	Tr 123 Tr 124	42 00 00 iD 06 55 00	〃	2SD655(D,E,F)	〃			
	Tr 125	42 00 00 iC 23 20 10	〃	2SC2320(E,F)	〃			
	Tr 126	42 00 00 iA 09 99 10	〃	2SA999(E,F)	〃			
	Tr 127 ~ 129	42 00 00 iC 23 20 10	〃	2SC2320(E,F)	〃			
	Tr 130	42 00 00 iA 09 99 10	〃	2SA999(E,F)	〃			
	Tr 131 Tr 132	42 00 00 iC 23 20 10	〃	2SC2320(E,F)	〃			
	Tr 133	42 00 00 iA 09 99 10	〃	2SA999(E,F)	〃			
	Tr 134	42 00 00 iC 23 20 10	〃	2SC2320(E,F)	〃			
	Tr 135	42 00 00 iC 19 83 00	〃	2SC1983	〃			
	Tr 136	42 00 00 iC 23 20 10	〃	2SC2320(E,F)	〃			
	Tr 137	42 00 00 iC 19 83 00	〃	2SC1983	〃			
	Tr 138 Tr 139	42 00 00 iC 23 20 10	〃	2SC2320(E,F)	〃			
	Tr 140	42 00 00 iA 09 99 10	〃	2SA999(E,F)	〃			
	Tr 141 Tr 142	42 00 00 iC 23 20 10	〃	2SC2320(E,F)	〃			
	Tr 143 ~ 145	42 00 00 iA 09 99 10	〃	2SA999(E,F)	〃			
	Tr 146 Tr 147	42 00 00 iC 23 20 10	〃	2SC2320(E,F)	〃			
	Tr 148	42 00 00 iC 26 55 00	〃	2SC2655(O,Y)	〃			
	Tr 149	42 00 00 iA 09 99 10	〃	2SA999(E,F)	〃			
	Tr 150	42 00 00 iD 04 00 00	〃	2SD400	〃			
	Tr 151	42 00 00 iC 19 83 00	〃	2SC1983	〃			
	Tr 152	42 00 00 iA 10 20 00	〃	2SA1020	〃			
	Tr 153	42 00 00 iC 26 55 00	〃	2SC2655(O,Y)	〃			
	Tr 154	42 00 00 iD 04 00 00	〃	2SD400	〃			
	Tr 155 Tr 156	42 00 00 iC 23 20 10	〃	2SC2320(E,F)	〃			
	D101 D102	42 00 00 iF 00 00 40	Diode	IS1555	ダイオード	Inter-changeable (併用)		
	〃	42 00 00 iF 00 06 70	〃	IS2473	〃			
	D103 ~106	42 00 00 iF 00 03 30	〃	IS188FM-1	〃			
	D107 D108	42 00 00 iF 00 00 40	〃	IS1555	〃	Inter-changeable (併用)		
	〃	42 00 00 iF 00 06 70	〃	IS2473	〃			
	D109	42 00 00 iF 00 19 30	Zener Diode	HZ4A	ツェナーダイオード			
	D110	42 00 00 iF 00 19 50	〃	HZ-20-3	〃			
	D111	42 00 00 iF 00 19 20	〃	HZ12A-3	〃			
	D112 ~115	42 00 00 iH 00 05 90	Diode	10E-1	ダイオード			

※：New Part（新部品）

	Ref. No.	Part No.	Description		（部 品 名）	Remarks	Common model	Markets
	D116 ~127	42 00 00	iF 00 00 40	Diode	IS1555	ダイオード	Inter-changeable（併用）		
	D116 ~127	42 00 00	iF 00 06 70	〃	IS2473	〃			
	D128	42 00 00	iH 00 05 90	〃	10E-1	〃			
	D129	42 00 00	iF 00 00 40	〃	IS1555	〃	Inter-changeable（併用）		
	〃	42 00 00	iF 00 06 70	〃	IS2473	〃			
※	D130	42 00 00	iF 00 24 40	LED (Red)	SLR-34URC-3	LED （赤）			
※	D131	42 00 00	iF 00 24 30	〃 (Green)	SLR-54GC4	〃 （緑）			
※	D132	42 00 00	iF 00 24 20	〃 (Red)	SLR-54URC4	〃 （赤）			
※	D133	42 00 00	iF 00 24 30	〃 (Green)	SLR-54GC4	〃 （緑）			
※	D134 D135	42 00 00	iF 00 24 20	〃 (Red)	SLR-54URC4	〃 （赤）			
	D136	42 00 00	iF 00 19 20	Zener Diode	HZ12A-3	ツェナーダイオード			
※	D137	42 00 00	iF 00 31 80	〃	HZ9B-2	〃			
	D138	42 00 00	iF 00 30 90	〃	05Z18U	〃	Inter-changeable（併用）		
	〃	42 00 00	iF 00 16 00	〃	HZ-18-3	〃			
	IC101	42 00 00	iG 02 84 00	IC	NJM4558DY	IC			
※	IC103 IC104	42 00 00	iG 03 46 00	〃	NE646BN	〃			
	IC105	42 00 00	iG 02 84 00	〃	NJM4558DY	〃			
※	IC107	42 00 00	iG 04 25 00	IC	NJM4556D	IC			
※	IC108	42 00 00	iG 04 22 00	〃	Bias OSC Block	〃			
※	IC109	42 00 00	iG 04 27 00	〃	BA843	〃			
	IC110	42 00 00	iG 02 90 00	〃	HD74LS02P	〃	Inter-changeable（併用）		
※	〃	42 00 00	iG 02 90 10	〃	SN74LS02	〃			
	IC111	42 00 00	iG 02 69 10	〃	HD74LS00	〃	Inter-changeable（併用）		
	〃	42 00 00	iG 02 69 20	〃	SN74LS00	〃			
	IC112	42 00 00	iG 03 16 00	〃	〃PC78L05	〃			
	IC113	42 00 00	iG 03 04 50	〃	DN6838	〃			
※	IC114	42 00 00	iG 04 28 00	〃	BA6208	〃			
※	SW101	42 00 00	KA 80 21 90	Push Switch SUF 3-Some 2-4-2		プッシュSW			
※	SW102	42 00 00	KA 80 21 80	〃 4-4-4		〃			
※	SW103 ~ 108	42 00 00	KA 90 16 60	Tact Switch	KHC10902	タクトSW			
	SW109	42 00 00	KA 80 14 70	Push Switch	TV-3 J-P3050	プッシュSW			J,R
※	〃	42 00 00	KA 80 21 50	〃	UL JP34	〃			U
※	〃	42 00 00	KA 80 21 60	〃	CSA JP34	〃			C
	F101 F102	42 00 00	KB 00 03 50	Fuse	T2A 250V	ヒューズ			J,R,A
	〃	42 00 00	KB 00 06 80	〃	T1.25A 250V Ⓢ	〃			G,B
	〃	42 00 00	KB 00 10 30	〃	2A 250V UL SS-2	〃			U,C
※	JK101 JK102	42 00 00	LB 30 13 30	Mic Jack	(Black) HLJ0305	マイクジャック	K-560(B)		G
※	〃	42 00 00	LB 30 13 40	〃	(White) HLJ0305	〃			
※	JK103	42 00 00	LB 30 13 10	Head Phone Jack	(Black) HLJ0305	ヘッドホーンジャック	K-560(B)		G
※	〃	42 00 00	LB 30 13 20	〃	(White) HLJ0305	〃			
※		42 00 00	LB 40 08 00	4P Pin Jack		4Pピンジャック			
※		42 00 00	LB 60 37 10	DIN Jack		DINジャック			
		42 00 00	LA 00 21 40	Wrapping Terminal i Type P=10 2P		i型ラッピング端子板			J,R,U,C
		42 00 00	LA 00 24 90	〃 UType P=10 3P		U型 〃			
		42 00 00	LB 20 15 30	Fuse Holder Pin		ヒューズホルダーピン			
		42 00 00	LB 60 29 90	Base Pin 6P-SHF 2.5 Pich		2.5ピッチベースピン			

※：New Part（新部品）

	Ref. No.	Part No.	Description	(部 品 名)	Remarks	Common model	Markets
※		32 00 00 CB 60 14 70	LED Holder	LEDホルダー			
※		32 00 00 AA 60 48 80	H-IC Holder	H-ICホルダー			
※		32 00 00 BA 08 09 10	Heat Sink IC-2425	放熱板			
		42 00 00 EA 03 00 60	Pan Head Screw 3×6 (ZMC2-Y)	ナベ小ネジ			
※		32 00 00 NA 07 52 60	Power SW C. Board	パワーSWシート			G,B
※		32 00 00 NA 07 52 70	〃	〃			A
	C401	42 00 00 Fi 33 41 00	Ceramic Capacitor 0.01μF KC Type AC400V(DE)	セラコン			A,G,B
	SW401	42 00 00 KA 80 05 10	Push Switch SDG-5P-E 18mm	プッシュSW			A,G,B
	F401	42 00 00 KB 00 07 00	Fuse T200mA 250V Ⓢ	ヒューズ			G,B
	〃	42 00 00 KB 00 03 10	〃 0.5A 250V	〃			A
		42 00 00 LB 20 15 30	Fuse Holder Pin	ヒューズホルダーピン			A,G,B
※		32 00 00 NA 07 54 70	Relay C.Board	中継シート			
		42 00 00 LB 40 05 90	Base Pin 2.5 pich BS4P-SHF	2.5ピッチベースピン			
		42 00 00 LB 60 28 20	〃 BS6P-SHF	〃			
	D901 D902	42 00 00 i H 00 05 90	Diode 10E-1	ダイオード			
※	SW901 SW902	42 00 00 KA 60 04 70	Switch MSW -S209G	スケルトンSW			

※：New Part（新部品）